



Post-Graduate Research and Human Resource Development at IARI: 2007-2016

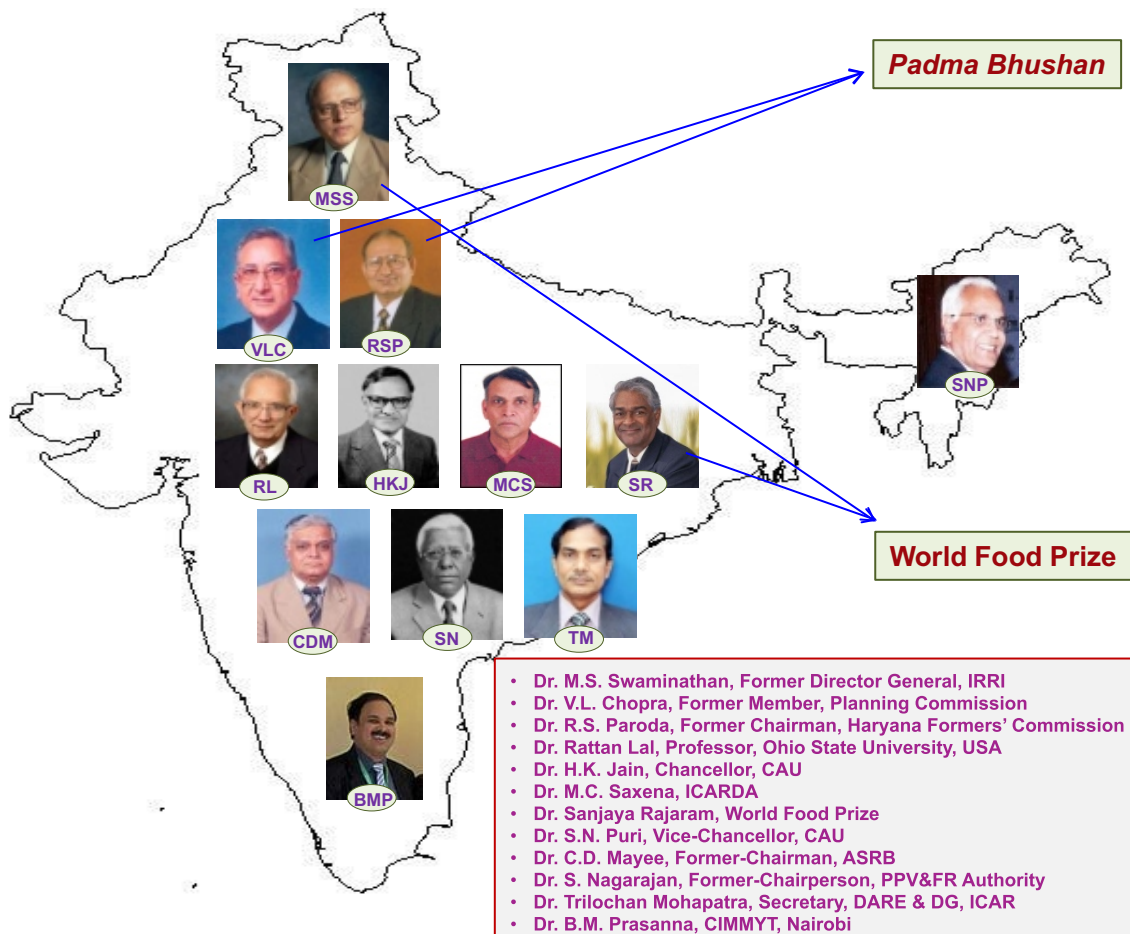
Volume I



Post Graduate School
ICAR-Indian Agricultural Research Institute
New Delhi - 110 012



IARI: Leaders to inspire the next generation



ISBN: 978-93-83168-30-9



Post Graduate Research and Human Resource Development at IARI: 2007-2016

Volume I

Editors

Sunil Pabbi, T.K. Behera, V.K. Baranwal
K.M. Manjaiah and R.K. Jain



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Printed: June, 2017

ISBN: 978-93-83168-30-9

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Citation: Sunil Pabbi, T.K. Behera, V.K. Baranwal, K.M. Manjaiah and R.K. Jain (2017). Post Graduate Research and Human Resource Development at IARI: 2007-2016 (Volume I), ICAR-Indian Agricultural Research Institute, New Delhi, pp. 540+xiii.

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Published by

Director

ICAR-Indian Agricultural Research Institute

Pusa Campus, New Delhi - 110 012

Tel.: 011-25843375, 25733367

Email: director@iari.res.in

Website: www.iari.res.in

Printed at:

Venus Printers and Publishers, B62/8, Naraina Industrial Area, Phase-II, New Delhi-110 028

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त्रिलोचन महापात्र, पीएच.डी.

एफ एन ए, एफ एन ए एस सी, एफ एन ए ए एस

सचिव एवं महानिदेशक

TRILOCHAN MOHAPATRA, Ph.D.

FNA, FNAsc, FNAAS

SECRETARY & DIRECTOR-GENERAL

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GOVERNMENT OF INDIA

DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

AND

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

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Foreword



The Indian Agricultural Research Institute (IARI), a centre for academic excellence provides post graduate education in 26 disciplines of agriculture. The education at IARI is based on choice based course credit system integrating research, teaching and extension. The alumni of IARI have helped the nation to usher green revolution followed by self sufficiency in food production and also greatly helped agricultural growth in several nations. IARI received the “deemed university” status by University Grants Commission in 1958 and has always remained a front runner in agriculture education in the country. The Institute has awarded degrees to 3892 M.Sc. and 4694 Ph.D. students till 2016. As per the current notification of Ministry of

Human Resource Development, Govt. of India, IARI has been ranked 23rd in Overall Ranking of the Institutions, 15th among Universities and 1st among Agricultural Universities in India.

Keeping the tradition of the glorious past and to meet the emerging challenges, IARI has always intensified its efforts in agricultural research and education in pursuit of resolving complex issues and providing leadership in agriculture science. I am happy to note that the Institute is bringing out a compilation highlighting the contribution of Post Graduate School in research and human resource development. The publication provides the details of scientific manpower developed, trainings conducted and awards received by the faculty. The publications in peer reviewed journals speak volumes about the quality of research work being carried out at the Institute. I am confident that this publication will not only serve as a record and reference but would be of great value to scientists, students and administrators to motivate them to create new standards in agricultural research, education and human resource development. I appreciate the efforts of Dr. R.K. Jain, Dean & Joint Director (Education), and the co-editors Dr. Sunil Pabbi, Dr. T.K. Behera, Dr. V.K. Baranwal and Dr. K.M. Manjiaiah as well as professors and faculty members who have made valuable contribution to this publication.

New Delhi
April, 2017

(Trilochan Mohapatra)





Preface

IARI, originally established in 1905 at Pusa (Bihar), was shifted to New Delhi in 1936 and is the country's premier national Institute for agriculture research, education and extension. IARI continues to be top ranker among agricultural universities of India and provide leadership in human resource development. It continues to be the most sought destination for students and the admission is based on national level entrance examination. In addition foreign students are also admitted regularly. Recognising the importance of agriculture education, the Government of India decided and established two more IARI like institutions in Assam and Jharkhand which started functioning from session 2015-16.

The information related to PG teaching and research programme, publications and human resource development for the years 1996 to 2008 was earlier compiled and published. The present volume entitled, 'Post Graduate Research and Human Resource Development at IARI: 2007-2016' is the next volume in the series. This publication provides information related to students awarded degrees including foreign students, trainings organised, training received by faculty members, awards conferred on faculty members, faculty participation in seminar assignments, list of publications in peer reviewed journals with citations and other related information during this period. We sincerely hope that this publication will not only serve as a valuable information to scientific fraternity but will also motivate young researchers and students in pursuit of excellence.

We are thankful to professors and faculty members of all disciplines of P.G. School, IARI for furnishing information to this publication. We express our sincere gratitude to Dr. Trilochan Mohapatra, Secretary, DARE and Director General ICAR, Dr. N.S. Rathore, DDG (Agriculture Education), ICAR and Director, IARI for their support and guidance in bringing out this volume. We also appreciate the help rendered by all administrative staff of P.G. School, IARI in bringing out this publication.

New Delhi
April, 2017

**Sunil Pabbi, T.K. Behera, V.K. Baranwal
K.M. Manjaiah and R.K. Jain**





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Online Management System for Post Graduate Education

Sudeep Marwaha, Alka Arora and Dinesh Rajpoot

Post Graduate (PG) School, Indian Agriculture Research Institute (IARI) provides master's and doctorate degrees in various disciplines. Departments providing teaching in these disciplines are physically situated in different buildings those are spread across the Pusa Campus covering different institutes under Indian Council of Agriculture Research (ICAR) such as IARI, Indian Agricultural Statistics Research Institute (IASRI), National Bureau of Plant Genetics Resources (NBPGR) and National Research Centre on Plant Biotechnology.

The divisions of PG School are physically scattered and earlier in the absence of any electronic system, a lot of time was wasted in physical movement of files/papers. During admission process, all the faculty members had to assemble at central library. All administrative process at PG School management also required additional paper work. One had to contact the concerned offices and disciplines of PG School to get or submit a piece of information. The collection and dissemination of information was not readily available. Therefore, need was felt to computerize for online management of the PG school in order to strengthen the education system of IARI.

An online system was developed at ICAR-IASRI under the institute project "Management System for Post Graduate Education". The system has been designed in a modular approach with in-built work flows for identified users as Dean, Associate Dean, Registrar, Professor, Professor & Head, Head, Guide, Faculty, Student, Technical Official Stats Cell, PG School Official-AAO and Administrator.

Role based different access rights have been provided to system users. System ensures that the individual's responsible for the next task are notified and receive the data those need to execute at their stage of process. The system was developed and implemented in 2009 from IASRI server (<http://pgs.iasri.res.in>) and the system is being effectively used for PG School activities. Efficiency of the system has increased many fold and it resulted in saving time and resources of students, faculty members and officials. System also helps in bringing out the result of the examination timely manner and inculcated more transparency in the system. The system has been enhanced over a period of time. System has the following sub modules:

- **Courses Management**
- **Student Management**
- **Faculty Management**
- **Administration Management**
- **E-learning**



Functionality in these modules are briefly described below:

Courses Module

- ❖ Syllabus of Courses
 - Course Name, Course Number, Theory and Practical Credits, etc.
- ❖ Offered Courses: Regular, Seminar, Examination, Result

Student Module

- ❖ Student Information
 - Name, Roll Number, Address (local & permanent), Phone number, e-mail etc.
- ❖ Advisory Committee of Student
- ❖ PPW (post graduate project)
- ❖ ORW
- ❖ Grades in courses: Trimester wise and Overall
- ❖ Comprehensive Examinations: Major and Minor Comprehensives, Pre Qualifying and Qualifying Viva
- ❖ Thesis: Thesis Soft Copy and Thesis Viva

Faculty Module

- ❖ Professors
- ❖ Research Guide
- ❖ Faculty Information
 - Name, Address, Phone, e-mail etc.
- ❖ Courses
- ❖ Offered Courses
 - Roster Registration & Cross Check with PPW
 - Scheme for Examination: Marks Distribution
 - Class Schedule
 - Result
- ❖ Courses taught earlier
- ❖ Students
- ❖ Current
- ❖ Passed Out

Administration Module

- ❖ Dean Office
- ❖ Fees
- ❖ Registrar
- ❖ Discipline Offices

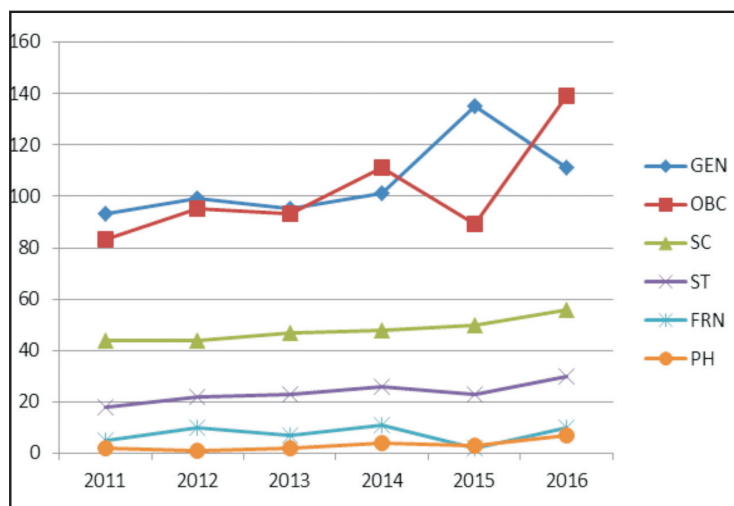


Fig. 1 : Student Enrollment in different Caste Categories



- ❖ Board of Studies
- ❖ Academic Council
- ❖ User management
 - New student enrollment
 - New faculty addition
- ❖ Course Management
- ❖ New course addition
- ❖ Offering courses

Online system for PG School management has data on students, faculty, disciplines and other aspects. Data from this system were analyzed on some key aspects. When the background of the students were analyzed, it came out that on an average only 2 % students are from Non-agricultural background and rest are from Agricultural background. Students data were further analyzed on caste category (General- Gen; Other Backward Classes- OBC; Scheduled Castes- SC; Scheduled Tribes- ST; Foreign Students- FRN; Physically Challenged- PH). Almost equal number of students are from General and OBC Categories (Fig. 1).

Data were further analyzed for students admitted over the years from different states (Fig. 2). It was observed that more than 70% students admitted were from seven states which includes West Bengal, Rajasthan, Bihar, Karnataka, Maharashtra, Kerala and Uttar Pradesh. Data further revealed that approx. 6 % students admitted were from North Eastern states. From 2009- 2016, more than 1200 students passed out from PG School, IARI. Of which 55% were from M.Sc, 42% from Ph.D and 3% from M. Tech courses. In passed out students, 2% were Foreign students. In Agronomy discipline, more number of foreign students passed out from Ph.D course as compared to M.Sc. Highest number of students were from Agronomy followed by Genetics, Agricultural Statistics, Agricultural Engineering and Agricultural Chemicals. These disciplines had more than sixty students passed out during 2009-2016.

In the PG School, IARI, 33 % students are enrolled under M.Sc. courses, 66% students under Ph.D courses and 1 % under M. Tech (Fig. 3). In M.Sc. courses 23 % students enrolled are female students however the percentage is 26 % for females in Ph.D. courses. Percentage of female students are 25 % under different courses.

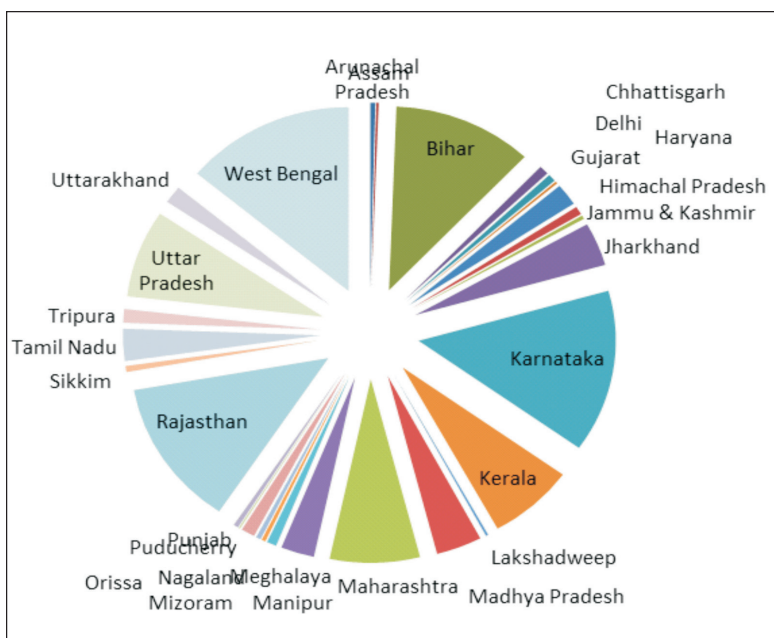


Fig. 2: Students Admitted from Different States Over the Years

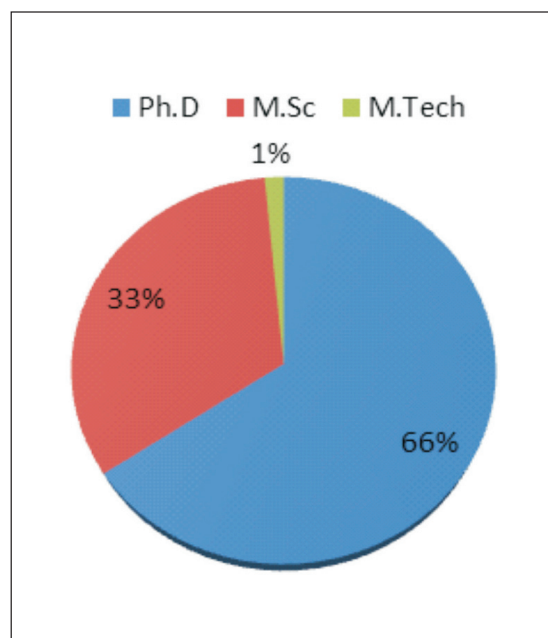


Fig. 3: Distribution of Students Enrolled in Different Courses



The data on male and Female students admitted under different disciplines (Fig. 4) showed that some disciplines like Horticulture, Bio-Informatics, Plant Physiology had attracted both male and female students equally. There was increased trend in female students enrolled over the years. In the years 2009 to 2011, female students enrolled were approx. 20% which had increased to 25% during 2012-2015 and 27% in the year 2016. The data on male and female faculty members under different discipline are presented in Fig. 5.

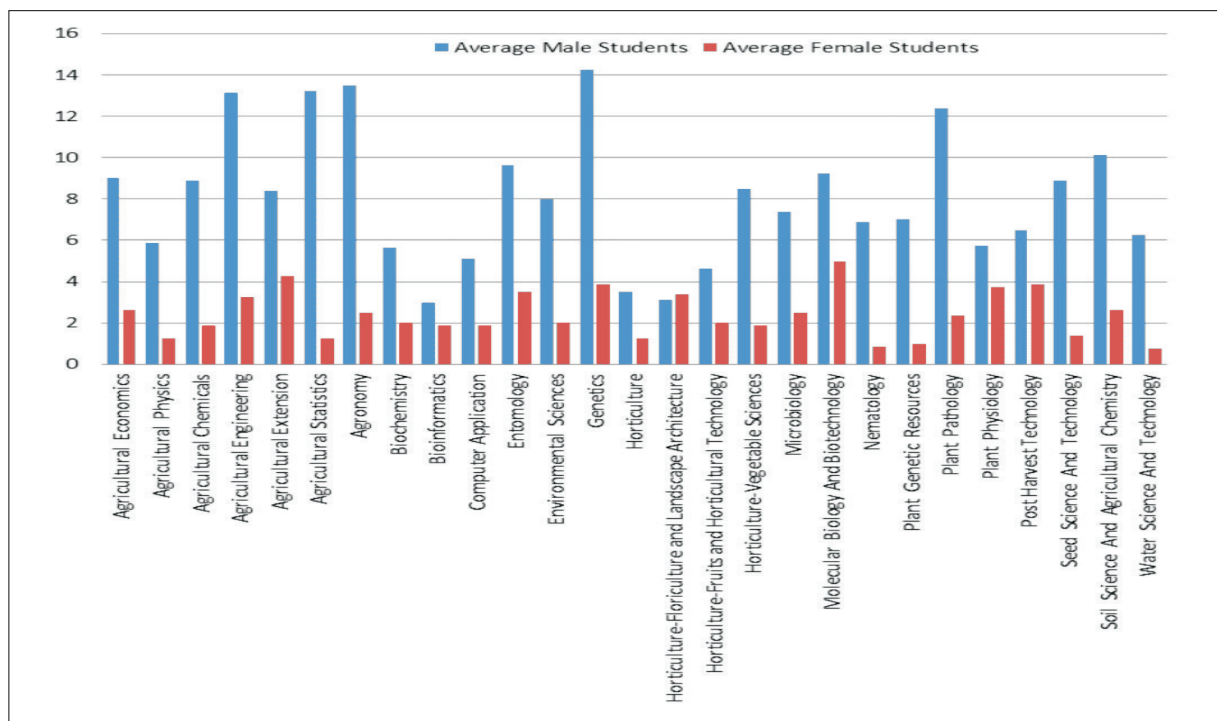


Fig. 4: Discipline wise Average of Male/Female Students Enrolled

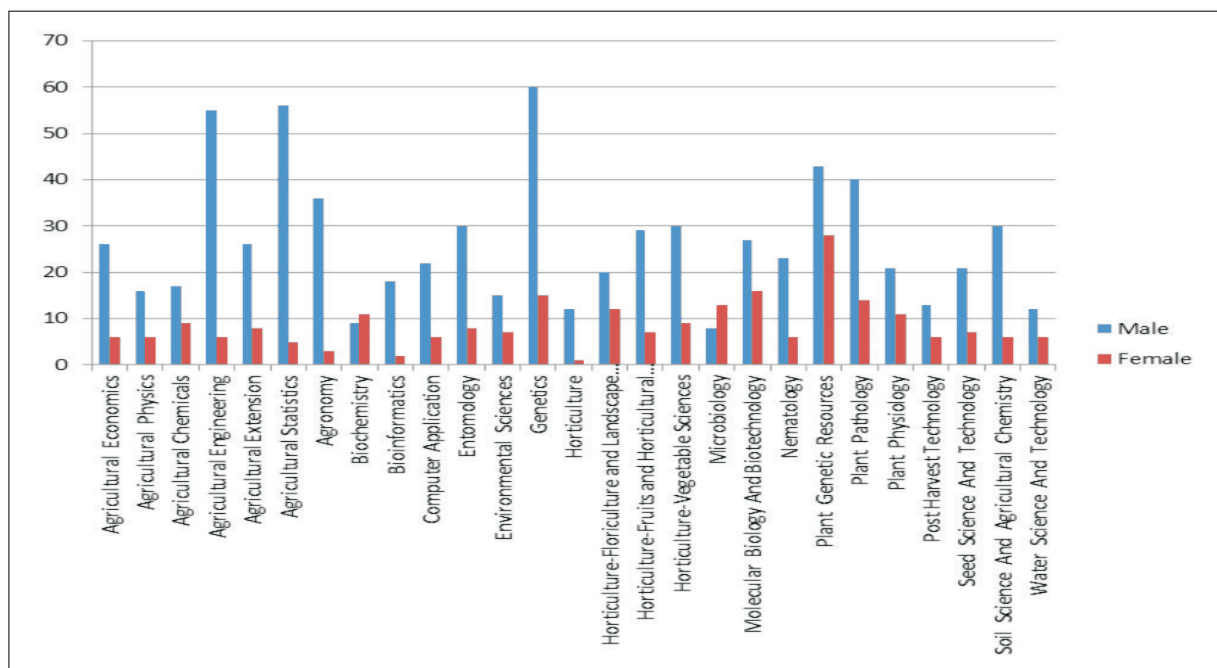


Fig. 5: Male and Female Faculty Members in Various Disciplines



Data was analyzed on faculty members and students in various disciplines. Which revealed that student and faculty ratio is very good in PG School (Table 1). In majority of cases, it was around 1:1 student and faculty ratio. However, in some disciplines like Plant Genetic Resources, Agricultural Statistics and Genetics has more faculty as compared to students. At the same time disciplines like Postharvest Technology and Microbiology have more faculty strength.

Table 1: Student and Faculty ratio in various disciplines of PG School, IARI

Sl. No.	Discipline Name	Student Faculty Ratio
1.	Agricultural Economics	1.00
2.	Agricultural Physics	0.95
3.	Agricultural Chemicals	0.88
4.	Agricultural Engineering	0.90
5.	Agricultural Extension	0.97
6.	Agricultural Statistics	0.59
7.	Agronomy	1.13
8.	Biochemistry	0.95
9.	Bioinformatics	1.05
10.	Computer Application	0.82
11.	Entomology	1.18
12.	Environmental Sciences	1.18
13.	Genetics	0.76
14.	Floriculture and Landscape Architecture	1.03
15.	Fruits and Horticultural Technology	0.72
16.	Vegetable Science	1.51
17.	Microbiology	1.57
18.	Molecular Biology and Biotechnology	1.14
19.	Nematology	0.76
20.	Plant Genetic Resources	0.32
21.	Plant Pathology	0.87
22.	Plant Physiology	0.84
23.	Food Science and Postharvest Technology	1.79
24.	Seed Science and Technology	1.07
25.	Soil Science and Agricultural Chemistry	1.14
26.	Water Science and Technology	1.11

Online system for PG School management has grown over the years in terms of data and functionality. The data present in the system can be explored further on different aspects as required by the management to improve upon the system further.



**School of
Basic Sciences**



Biochemistry

Aruna Tyagi

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1.	2007	Sangita Yadav	Cloning and characterization of Abiotic stress inducible Transcription factor Gene from Rice (<i>Oryza sativa</i> L.)	Dr. Aruna Tyagi	-
2.	2007	Ramesh S.V.	Suppression of Topmato leaf curl virus (TOLCV) through RNA interference (RNA)	Dr. Shelly Praveen	-
3.	2007	Jinu Jacob	Isolation and characterisation of β -ketoacyl- Acyo carrier Protein-synthase III(KASIII) Gene from <i>Brassica Juncea</i>	Dr. I.M. Santha	-
4.	2007	Satendra Kumar Mangrauthia	Characterization of viral suppressors of RNA silencing and their regulatory role in plant gene expression	Dr. Shelly Praveen	-
5.	2008	Ranjeet Ranjan Kumar	Isolation and characterization of 1-acyl glycerol-3-phosphate acyl transferase (<i>LPAAT</i>) gene from mustard (<i>Brassica juncea</i> L.)	Dr. I.M. Santha	-
6.	2008	Khela Ram	Isolation and Characterization of Drought Responsive Genes from Rice (<i>Oryza sativa</i> L.)	Dr. Aruna Tyagi	-
7.	2008	G.S. Suresha	Fuctional Analysis of Okleats desturase gene expression from Brassica juncea	Dr. I.M. Santha	-
8.	2008	Vinita Kumari	Isolation and characterization of gene sequence encoding phytase from <i>Glycine max</i>	Dr. Aruna Tyagi	-
9.	2010	Suneha Goswami	Differential role of RNAi suppressor proteins in plant development	Dr. Shelly Praveen	-
10.	2012	Pritee Kumari	Characterization of <i>phytase</i> gene from Glycine max and its expression in <i>E. coli</i>	Dr. Archana Sachdev	-
11.	2012	Somnath Mandal	Functional characterization of lipoxygenase isozymes in relation to off-flavour development in soyabean (<i>Glycine max</i>)	Dr. I.M. Santha	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
12.	2012	Vinutha T.	Comparative analysis of host factors regulating phytohormones and pathogenecity factor during ToLCNDV infection in tomato	Dr. Shelly Praveen	-
13.	2012	Awadesh Kumar	Development of low phytate soyabean through MIPS gene silencing	Dr. Archana Sachdev	-
14.	2013	Swati Kumari	Characterization and expression of myo-inositol-3- phosphate synthase (MIPS) gene in Glycine max	Dr. Archana Sachdev	-
15.	2013	Nandita Sahana	Functional significance of host and viral genes involved in stress responses during <i>Papaya Ringpot Virus</i> (PRSV) infection	Dr. Shelly Praveen	-
16.	2014	Ibandalin Mowlong	Isolation and Characterization of Drought Responsive AP2/ERF Family Transcription Factor gene(s) and Functional Validation using Transgenics	Dr. Aruna Tyagi	-
17.	2014	Sweta Kumari	Molecular and Biochemical approaches for development of low phytate soybean	Dr. Archana Sachdev	-
18.	2015	Pooja Verma	Transcriptomic and proteomic characterization of starch biosynthesis pathway in wheat (<i>Triticum aestivum</i> L.) under the terminal heat Stress	Dr. R.D. Rai	-
19.	2016	Sujith M.S.	Elucidation of the role of phytosterols in drought tolerance in rice (<i>Oryza sativa</i> L.)	Dr. Arun Tyagi	-
20.	2016	Manoj Kumar	Anthocyanthus as ingredient for food industry: Strategy for extraction, functional characterization and enhanced stability	Dr. Anil Dahuja	-
M.Sc. Students					
1.	2007	Sujit Kr. Bishi	Cloning and characterisation of a Stress responsive Apetela2/Ethylene Responsive Element Binding factor (ERF) family Transcription factor Gene from <i>Oryza sativa</i> L. Subsp. <i>indica</i>	Dr. (Mrs.) Aruna Tyagi	-
2.	2008	Somnath Mandal	Studies on pyruvate kinase from developing <i>Brassica juncea</i> seeds	Dr. I.M. Santha	-
3.	2009	Nandita Sahana	α -Amylase activity in grains of wheat genotypes grown under different moisture conditions	Dr. P. Singh	-
4.	2009	Awadesh Kumar	Cloning and characterization of the sequence encoding <i>myo</i> -inositol-1-phosphate synthase from developing seeds of soybean (<i>Glycine max</i> L.)	Dr. Archana Sachdev	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
5.	2009	Devika B. Kurup	Cloning and characterization of water stress inducible APETALA type 2 transcription factor gene from rice (<i>Oryza sativa</i>)	Dr. Aruna Tyagi	-
6.	2009	Ranjit Singh Gujjar	Isolation and characterization of a gene sequence encoding a transcription factor involved in ABA dependent signal transduction	Dr. Aruna Tyagi	-
7.	2009	Sweta Kumari	Expression of <i>D-myo</i> -inositol-3-phosphate synthase (MIPS) and phytate accumulation during soybean (<i>Glycine max.</i> L.) seed maturation	Dr. Archana Sachdev	-
8.	2010	Om Prakash Gupta	MicroRNA profiling of susceptible and resistant (conditioned by <i>Sr24</i>) wheat cultivars during infection with stem rust	Dr. Shelly Praveen	-
9.	2010	M.S. Sujith Kumar	Structural and functional analysis of gamma oryzanol from different rice cultivars in relation to its role in drought tolerance	Dr. Anil Dahuja	-
10.	2010	Sivaranjani R.	Biochemical and molecular characterization of maize germplasm for carotenoid content	Dr. I.M. Santha	-
11.	2011	Vanita Pandey	Genomic analysis of tospoviruses and characterisation of non-structural protein(NSs) of <i>Groundnut bud necrosis virus</i> for its involvement in host counter defense	Dr. Shelly Praveen	-
12.	2011	Gaurav Kumar	Elucidation of role of phytochemical antioxidants in the improvement of flavour quality of soybean and its products	Dr. I.M. Santha	-
13.	2011	Nand Lal Meena	Biochemical characterization of chickpea (<i>Cicer arietinum</i> L.) genotypes in relation to high temperature stress	Dr. Aruna Tyagi	-
14.	2012	Kalpna Tiwari	Elucidation of the role of antioxidant molecules and enzyme in reduction/ elimination of off-flavour in soybean	Dr. Anil Dahuja	-
15.	2012	Vaibhav Kumar	Study of lox pathway enzyme and antioxidant potential on the storability of soybean seeds	Dr. I.M. Santha	-
16.	2012	P. Sanjeevan	Studies towards biochemical characterization of maize germplasm for oil composition	Dr. D.P. Chaudhary	-
17.	2013	Sushil S. Changan	Biochemical Characterization of Maize Germplasm for Biofortification	Dr. D.P. Chaudhary	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
18.	2013	Manoj Kumar	Biochemical and Molecular Responses of Contrasting Wheat (<i>Triticum aestivum</i> L.) Genotypes to Salt Stress	Dr. R.D. Rai	-
19.	2013	Maharishi Tomar	Elucidation of the role of protein oxidation, hydrolysis, and protein phenolic interactions in off-flavour generations in soybean	Dr. Anil Dahuja	-
20.	2014	Muzaffar Hasan	The Role of biotic elicitors as potent inducers of defence mechanism against salt stress	Dr. Archana Singh	-
21.	2014	Chirag Maheshwari	Biochemical and molecular studies for the elucidation of the role of tocopherols in the improvement of flavor quality of soybean	Dr. Anil Dahuja	-
22.	2014	Nitin Garg	Biochemical studies towards understanding starch digestibility characteristics of Indian Maize genotypes	Dr. Anil Dahuja	-
23.	2014	Lucia Joseph	Elucidation of the role of phospholipids and oleosins in the off-flavor development in the defatted, protein-rich soybean	Dr. Anil Dahuja	-
24.	2015	Jyoti Prakash Singh	Exploring heat responsive transcription factor and their role in influencing the genes associated with thermotolerance in wheat	Dr. Ranjeet Ranjan Kumar	-
25.	2015	Mahesh Kumar	Identification and validation of heat-responsive novel microRNAs in wheat (<i>Triticum aestivum</i>) at reproductive stage	Dr. Ranjeet Ranjan Kumar	-
26.	2015	Salih Mir	Transcript profiling and biochemical assay of soluble starch synthase (SSC) in wheat (<i>Triticum aestivum</i> L.) under terminal heat stress	Dr. Ranjeet Ranjan Kumar	-
27.	2015	K. Vijay Pandurang	Biochemical and Molecular Characterization of Salt Tolerance in Contrasting Pigeon Pea Genotypes	Dr. Archana Singh	-
28.	2015	Beena A.S.	Salt stress induced epigenetic variation effect on gene expression in contrasting wheat (<i>Triticum aestivum</i>) genotypes	Dr. Suresh Kumar	-
29.	2016	Mahesh Kumar Samota	Biotic elicitor induced biochemical and molecular manifestations of drought tolerance in contrasting rice (<i>Oryza sativa</i> L.) genotypes	Dr. Archana Singh	-
30.	2016	Sandeep Kumar	Biochemical and Molecular Studies for Elucidation of the Role of Isoflavones in the improvement of flavor quality of Soybean	Dr. Anil Dahuja	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
31.	2016	Ashok Kumar	Exploring RuBisCo activase (RCA) gene from wheat for augmenting carbon assimilatory process under heat stress	Dr. Ranjeet Ranjan Kumar	-
32.	2016	Sachidanand Tiwari	Identification, Cloning and Characterization of Heat-induced MAPK Gene(s) from Wheat (<i>Triticum aestivum</i> L.) Under Terminal Heat Stress	Dr. Suneha Goswami	-

Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
M.Sc. Students					
1.	2014	Lucia Joseph	Elucidation of the role of phospholipids and oleosins in the off-flavor development in the defatted, protein-rich soybean	Dr. Anil Dahuja	South Africa
2.	2015	Salih Mir	Transcript profiling and biochemical assay of soluble starch synthase (SSC) in wheat (<i>Triticum aestivum</i> L.) under terminal heat stress	Dr. Ranjeet Ranjan Kumar	Afganistan
Ph.D. Students: NIL					

Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	No. of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2007	Advanced Biochemical and Molecular Techniques	11	Dr. Prikhshayat Singh
2.	2007	Basic Techniques in Plant Molecular Biology	12	Dr. Prikhshayat Singh
3.	2008	Recombinant DNA Techniques	14	Dr. Prikhshayat Singh
4.	2008	Biochemical & Molecular Biology Advanced Techniques	13	Dr. Prikhshayat Singh
5.	2011	Advanced Techniques in Plant Biochemistry and Molecular Biology	21	Dr. I.M. Santha Dr. R.R. Kumar
6.	2011	Current Techniques and protocols in Plant Biochemistry and Molecular Biology	20	Dr. I.M. Santha Dr. R.R. Kumar
7.	2012	Current Biochemical and Molecular Techniques for Nutritional Enhancement and Stress Tolerance in Crop Plants under Centre for Advanced Faculty Training (CAFT)	21	Dr. R.D. Rai
8.	2013	Advanced 'Omics' techniques for improvements in plant and human health under Centre for Advanced Faculty Training (CAFT)	23	Dr. R.D. Rai
9.	2013	Hands on training on RNAi	11	Dr. R.D. Rai Dr. Archana Sachdev & Dr. Suresh Kumar



S. No.	Year	Title of Training Programme	No. of Trainees	Name(s) of the Course Director and Co-ordinators
10.	2014	Functional Genomics and proteomics Techniques and Tool for Crop Improvement under Centre for Advanced Faculty Training (CAFT)	23	Dr. R.D. Rai Dr. Ranjeet Ranjan Kumar
11.	2015	Training on Plant Omics Emerging tools and techniques for crop improvement under ICAR-Centre for Advanced Faculty Training (CAFT)	21	Dr. R.D. Rai Dr. Suresh Kumar & Dr. Vinutha T.

Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
(i) Within the Country					
1	2008	Dr. Ranjeet Ranjan Kumar	Foundation courses for Agricultural Research Scientist	4 Months	NAARM
2	2010	Dr. Ranjeet R. Kumar	Molecular Techniques in Gene Isolation and Characterization	21 Days	NRCPB
3	2010	Dr. Suneha Goswami	Foundation courses for Agricultural Research Scientist	4 Months	NAARM
4.	2011	Archana Singh	High Performance Bio-Computing and Drug Design.	10 Days	IIT, New Delhi
5.	2011	Dr. Shelly Praveen	International Sixth Solanaceae Genomics workshop	Nov. 8-13, 2009	Delhi
6.	2011	Dr. Aruna Tyagi	Attended a short course on "Bioinformatics in Agriculture"	29 August -7 September, 2011	IASRI, New Delhi
7.	2012	Dr. Ranjeet R. Kumar	Biotechnological Approaches for Adaptation to Climate Change	21 Days	NRCPB
8.	2012	Dr. Shelly Praveen	Agtech global Summit-2012	9-13 Dec. 2012	Auran gabad, India
9.	2013	Dr. Shelly Praveen	Attended "South Asia Biosafety Conference	18-20 Sept. 2013	
10.	2013	Dr. Shelly Praveen	Viral Proteins: evaders and reprogrammer of plant defense in Asia Pacific Congress of Virology (Virocon-2013)	17-20 Dec. 2013	Amity University, Noida
11.	2013	Dr. Suneha Goswami	Frontier technologies in the area of biotechnology, on gene isolation, characterization and breeding with reference to abiotic stress related genes	21 Days	NRCPB New Delhi
12.	2013	Dr. Suneha Goswami	Radioactivity and Bio-safety	2 Days	IARI
13.	2013	Archana Singh	Project Formulation, Risk Assessment, Scientific Report Writing and Presentation	6 Days	IARI- Division of Agricultural Engineering, IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
14.	2013	Archana Singh	Agricultural Research Management	14 Days	ICAR-NAARM, Hyderabad
15.	2013	Vinutha T.	International Conference on Plant Biotechnology, Molecular Medicine & Human Health (ICPMH-2013)	03 Days	Delhi
16.	2013	Veda Krishnan	International conference on plant biotechnology, molecular medicine and human health	03 Days	Delhi
17.	2014	Dr. Ranjeet R. Kumar	Radioactivity and Bio-safety	2 Days	IARI
18.	2014	Dr. Shelly Praveen	Role of host pathogen interaction and epidemiological studies in breeding for disease resistance in tomato and pepper at Asian Solanaceous Roundtable conference "Disease and Insect Pest Resistance in Solanaceous vegetables; Successes and Challenges	September 9-10, 2014	Bangalore
19.	2014	Dr. Aruna Tyagi	Non-destructive phenotyping and phenomics for dissection of abiotic stress tolerance gene discovery and crop improvement	July 1-23, 2014	Division of Plant Physiology IARI, New Delhi
20.	2014	Veda Krishnan	International conference on radiation biology	3 Days	Delhi
21.	2015	Veda Krishnan	International symposium on Biodiversity, agriculture, environment and forestry	3 Days	Delhi
22.	2015	Dr. Shelly Praveen	XXIV Annual Conference of the Indian Virological Society (IVS) - VIROCON	8-10 October, 2015	Indian Virological Society
23.	2016	Dr. Shelly Praveen	103rd Indian Science Congress to be hosted by University of Mysore	3-7 January, 2016	Mysore
24.	2016	Vinutha T.	International symposium on Biodiversity, agriculture, environment and forestry	3 Days	Delhi
25.	2016	Vinutha T.	International conference (NCIP)	3 Days	Bangalore
26.	2016	Veda Krishnan	Indo-UK Tech summit	3 Days	Delhi

Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2008	Dr. Prikshayat Singh	Elected as Member Sectional Committee: Agriculture and Forestry Section 2008-2009	
2.	2008	Dr. Shelly Praveen	Best Poster Award	IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
3.	2008.	Dr. Shelly Praveen	Nominated for TWAS (3 rd World Academy of Sciences)	UNESCO Associateship
4.	2008	Dr. Shelly Praveen	Nominated as Fellow of National Academy of Sciences	NAAS, New Delhi
5.	2008	Dr. Shelly Praveen	Best Teacher Award	IARI, New Delhi
6.	2009	Dr. Prikshayat Singh	Awarded the nomination under INSA collaborative/exchange programme to visit Germany	INSA, New Delhi
7.	2009	Dr. I.M. Santha	Nominated as Fellow of Indian Society of Agricultural Biochemist	ISAB, Kanpur
8.	2008	Dr. Suresh Kumar	Norman E. Borlaug International Science & Technology Fellow Program – 2008 of the Indo-US Agricultural Knowledge Initiative, I.C.A.R., Govt. of India, New Delhi and United States Department of Agriculture, USA	University of Missouri, Columbia, USA
9.	2009	Dr. Suresh Kumar	Science and Engineering Research Council (SERC) of Department of Science and Technology, Govt. of India and Indo-US Science & Technology Forum (IUSSTF)	One year
10.	2010	Dr. Aruna Tyagi	Nehru Environmental Leadership Program Grant	USIEF sponsored Fulbright
11.	2011	Dr. Ranjeet Ranjan Kumar	Young Scientist Award	Indian Society for Plant Physiology, New Delhi
12.	2011	Dr. Ranjeet Ranjan Kumar	Young Scientist Award	National symposia “Advances in Biotechnological Research in Agri-Horticultural Crops for sustaining productivity, Quality improvement & Food Security” at Meerut
13.	2012-	Dr. Anil Dahuja	Best Teacher Award	IARI, New Delhi
14.	2012	Dr. Anil Dahuja	Gold Medal in Badminton	ICAR Inter Zonal Sports Tournament at CRIJAF, Barrackpore, Kolkatta
15.	2012	Dr. Archana Singh	Letter of appreciation for being First Indian Scientists’ group to sequence Arhar Genome	ICAR, New Delhi
16.	2012	Vinutha T.	IARI Gold Medal for Outstanding PhD Research Performance in the year 2012	IARI, New Delhi
17.	2013	Dr. R.D. Rai	Elected in the International Top-Level Forum on Engineering Science and Technology- Medicinal Mushrooms.	Beijing, China
18.	2013	Dr. Ranjeet Ranjan Kumar	Distinguished Biotechnologist Award 2012-13	Society of Applied Biotechnology, TN, and was recognized as Fellow of the Society



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
19.	2013	Dr. Anil Dahuja	Young Scientist Award 2013 in the field of biological sciences, Samaj Vikas Sansthan, Meerut	Mewar Institute of Management, Ghaziabad
20.	2013	Dr. Suresh Kumar	INSA-Visiting Fellowship	Indian National Science Academy, New Delhi
21.	2013	Dr. Shelly Praveen	Leadership award in Plant Virology	Indian Phytopathological Society (MEZ)
22.	2013	Vinutha T.	Best Poster Award	National Conference held at Lucknow 2013
23.	2014	Dr. Anil Dahuja	Fellowship Award	Indian Society of Agricultural Biochemists (FISAB)
24.	2014	Dr. Suresh Kumar	Award for Excellence in Research	Education Expo TV (EET CRS), Greater Noida, (Delhi NCR)
25.	2014	Dr. Shelly Praveen	Visiting Professorship	King Saud University, Kingdom of Saudi Arabia
26.	2014	Dr. Ranjeet Ranjan Kumar	Young Scientist Associate Award-2014	Bioved Society, Allahabad, U.P.
27.	2014	Dr. Veda Krishnan	Young Scientist Award	DRDO, Ministry of Defence
28.	2014	Dr. Sweta Kumari	Awarded "Young Scientist Award" in International Conference on Life Science and Bioengineering	Institute of Applied Medicine and Research, Ghaziabad
29.	2015	Dr. Aruna Tyagi	Award for Excellence for excellence in research	Faculty Branding Award-2015. Education Expo TV(EET CRS), Greater Noida (Delhi NCR), India
30.	2015	Dr. Suresh Kumar	Outstanding Scientist Award (Agriculture/ Plant Biochemistry)	Venus International Foundation, Chennai
31.	2015	Dr. Ranjeet Ranjan Kumar	Screened for the "Best Teacher Award - 2015" of IARI, New Delhi	IARI, New Delhi
32.	2015	Dr. Shelly Praveen	Inducted as Fellow of National Academy of Agricultural Sciences	NAAS, New Delhi
33.	2015	Dr. Archana Singh	3 rd Academic Brilliance Awards-2015	Education Expo TV (EET CRS), Greater Noida
34.	2015	Ms. Veda Krishnan	Certificate of Excellence among young faculty Category by 3 rd Academic Brilliance Awards	EET-Expo Education Award
35.	2015	Dr. Archana Sachdev	Best Teacher Award of IARI, New Delhi	IARI, New Delhi
36.	2016	Vinutha T.	Young Faculty Award	EET-Expo Edu Awards
37.	2016	Vinutha T.	Best Poster Award	International conference in AMITY university 2016
38.	2016	Dr. Suresh Kumar	Best Researcher Award (Plant Biochemistry)	Education Expo TV (EET CRS), Greater Noida
39.	2016	Dr. Ranjeet Ranjan Kumar	Scientist of the Year Award	Bioved Society



Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2009	Dr. R.D. Rai	Participated as Co-convener in the Vth International Medicinal Mushroom Conference	5-8 September, 2009	Nantong, China
2.	2009	Dr. Shelly Praveen	Invited as Co-Chair for the session "Viruses" in a "Sixth Solanaceae Genomics Workshop" and delivered a talk on "Viral derived RNAi-suppressors: Role in Pathogenesis and synergies"	8-13 Nov., 2009	New Delhi
3.	2009	Dr. Shelly Praveen	Invited as Convener of the session "Biotechnological tools in developing resistant GM crops in the "5th International Conference on Plant Pathology"	1-13 Nov., 2009	IARI, New Delhi
4.	2011	Dr. Shelly Praveen	Invited to present a paper entitled "Genomics, Functional Genomics and Silencing Strategies of leaf curl viruses infecting tomato" at ISCB (Indo-Swiss Collaboration in Biotechnology Symposium	10-11 March, 2011	NASC Complex, New Delhi
5.	2011	Dr. Shelly Praveen	Expanding roles of viral RNAi suppressors: present status and future prospects in World Congress on Biotechnology	21-23 March, 2011	Hyderabad
6.	2012	Archana Singh	Second International Conference on Agrochemicals protecting Crops, Health and Natural Environment: Role of Chemistry for Sustainable Agriculture	04 Days	IARI, New Delhi
7.	2012	Archana Singh	International Conference on Plant Biotechnology for food Security: New frontiers	04 Days	IARI, New Delhi
8.	2013	Dr. Shelly Praveen	CIB, Madrid, under DST funded bilateral programme	May 25- July 7, 2013	Spain
9.	2013	Vinutha T.	International Conference on Plant Biotechnology, Molecular Medicine & Human Health (ICPMH-2013)	03 Days	Delhi
10.	2013	Veda Krishnan	International conference on plant biotechnology, molecular medicine and human health	03 Days	Delhi
11.	2013	Archana Singh	International Conference on Plant Biotechnology, Molecular Medicine & Human Health	03 Days	Delhi University, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
12.	2014	Veda Krishnan	International conference on radiation biology	03 Days	Delhi
13.	2014	Archana Singh	12 th Biennial International Meeting of Indian Society of Radiation Biology (ISRB) held at International Conference on Radiation Biology: Frontiers in Radiobiology: Immunomodulation, Countermeasures & Therapeutics	03 Days	NAAS, New Delhi
14.	2015	Dr. Suresh Kumar	23 rd International Grassland Congress on Sustainable use of Grassland Resources for Forage Production, Biodiversity and Environmental Protection	November 20-24, 2015	New Delhi
15.	2015	Veda Krishnan	International symposium on Biodiversity, agriculture, environment and forestry	03 Days	Delhi
16.	2015	Archana Singh	International Congress on “Role of Agri-Science, Forestry, Food Technology and Participatory Natural Resource Management for Mitigation of Climate Change	03 Days	Jawaharlal Nehru University, New Delhi
17.	2015	Archana Singh	International, South Asian Bio-technology Conference	03 Days	New Delhi
18.	2015	Archana Singh	23rd International Grassland Congress	03 Days	New Delhi
19.	2016	Vinutha T.	International symposium on Biodiversity, agriculture, environment and forestry	03 Days	Delhi
20.	2016	Veda Krishnan	Indo-UK Tech summit	03 Days	Delhi
21.	2016	Vinutha T.	International conference (NCIP)	03 Days	Banglore

Publications of Faculty

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Charanjit Kaur, Kiran Kumar, Anil Dahuja and Kapoor H.C.	2007	Variation in antioxidant activity in Broccoli (<i>Brassica oleracea</i> L.) cultivars	<i>Journal of Food Biochemistry</i> 31(5): 621-638	6.74	40
2.	B. Parameswari, S.K. Mangrauthia, S. Praveen and R.K. Jain	2007	Complete genome sequence of an isolate of <i>Papaya ringspot virus</i> from India	<i>Arch. Virol.</i> 152: 843-845	6.00	-
3.	Anil K. Mishra and Shelly Praveen	2007	Differential Role of Tomato Gemini Virus and Cucumovirus in Plant Organogenesis	<i>J. Plant Biochemistry & Biotechnology</i> 16(1): 49-51	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
4.	Shelly Praveen and Ramesh, S.V.	2007	Small RNAs and Viral Interference. <i>CAB Reviews: Perspectives in Agriculture, Veterinary</i>	<i>Science, Nutrition and Natural Resources</i> 2: 043 DOI: 10.1079/PAVSNNR20072043	8.39	-
5.	Anupam Varma and Shelly Praveen	2007	Genetic Engineering : A Powerful Tool to Combat Viral Diseases of Plants In : Recent Advances in Plant Biotechnology and its applications	<i>Biochemical Genetics</i>	7.09	-
6.	Satendra K. Mangrauthia, B. Parameswari, R.K. Jain and Shelly Praveen	2008	Role of genetic recombination in the molecular architecture of <i>Papaya ringspot virus</i>	46(11): 835-846	6.87	-
7.	Satendra K. Mangrauthia, R.K. Jain and Shelly Praveen	2008	Sequence Motifs Comparisons Establish A Functional Portrait Of A Multifunctional Protein HC-Pro From <i>Papaya Ring Spot Potyvirus</i>	<i>J. Plant Biochemistry & Biotechnology</i> 17(2): 201-204	8.03	-
8.	Kishore Arun, Srivastava Manish, Dubey A.K., Singh A.K., Anil Dahuja and Pandey R.N.	2009	Paclitaxel minimizes some negative effects of salt stress in mango	<i>Journal of Horticulture Science and Biotechnology</i> 84(4): 459-465	6.54	07
9.	S. K. Mangrauthia B. Parameswari, S. Praveen Rakesh Kumar Jain	2009	Comparative genomics of <i>Papaya ringspot virus</i> pathotypes P and W from India	<i>Arch. Virol.</i> 154: 727-730	8.39	02
10	Abinav K. Singh Shelly Praveen Bhanu P. Singh Anupam Varma Naveen Arora	2009	Safety assessment of leaf curl virus resistant tomato developed using viral derived sequences	<i>Transgenic Research</i> 18: 877-887	8.32	97
11	Mangrauthia, S.K., Singh, Vipendra P, Jain, R.K. and Praveen, Shelly	2009	Ambient Temperature Perception in papaya for <i>Papaya ringspot virus</i> interaction	<i>Virus Genes</i> 38: 429-434	7.7	-
12	B.K. Singh, Archana Singh, K. Gaikwad and N.K. Singh	2009	Cloning and Characterization of full - length triticum cDNA and Genes from Wheat Varieties K-68 and Chinese spring	<i>J. Plant Biochem. Biotechnol</i> 18(1): 21-28	7.7	17
13	Kumar R.R., Santha I.M.	2009	Isolation and characterization of plastidial localized, seed expressive lysophosphatidyl acyl transferase (<i>LPAAT</i>) from <i>Brassica juncea</i>	<i>J. Plant Biochem. Biotech.</i> 18: 225-228	6.41	01



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
14	Swarup K. Parida, S. Kaul, S.K. Kalia, V. Dalal, G. Hemaprabha, A. Selvi, A. Pandit, A. Singh, K. Gaikwad, T.R. Sharma, P.S. Srivastava, N.K. Singh and T. Mohapatra	2009	Informative genomic micro-satellite markers for efficient genotyping applications in sugarcane	<i>Theor. App. Genet.</i> 118: 327-338	9.79	110
15	Satendra K. Mangrauthia, Priyanka Singh, Shelly Praveen	2010	Genomics of Helper Component Proteinase Reveals Effective Strategy for Papaya Ring spot Virus Resistance	<i>Molecular Biotechnology</i> 44(1): 22	6.72	-
16	Shelly Praveen, S.V. Ramesh, Anil K. Mishra, Vikas Koundal and Peter Palukaitis	2010	Silencing potential of viral derived RNAi constructs in Tomato leaf curl virus-AC4 gene suppression in tomato	<i>Transgenic Research</i> 19(1): 45-55	8.32	-
17	Vikas Koundal and Shelly Praveen	2010	MicroRNA based RNA interference vector for gene silencing in plants	<i>J. Plant Biochemistry & Biotechnology</i> 19(1): 79-82	7.7	-
18	Vikas Koundal, Vinutha T., Qazi Mohd Rizwanul Haq and Shelly Praveen	2010	Modulation of Plant Development and MYB Down Regulation: Both during In Planta Expression of miR159a and in Natural ToLCV Infection	<i>J. Plant Biochemistry & Biotechnology</i> 19(2): 171-175	7.7	-
19	Soren K.R., Ali K., Tyagi A.	2010	Recent advances in molecular breeding of drought stress in rice	<i>Indian J. Biotechnology</i> 9: 233-257	6.48	45
20	Mangrauthia, S.K., Singh, Priyanka and Praveen, Shelly	2010	Genomics of Helper Component Proteinase Reveals Effective Strategy for Papaya Ringspot Virus Resistance	<i>Molecular Biotechnology</i> 44(1): 22	8.26	22
21	Manish Srivastav, Arun Kishore and Anil Dahuja	2010	Effect of paclobutrazol and salinity on ion leakage, proline content and activities of antioxidant enzymes in mango (<i>Mangifera indica</i> L.)	<i>Scientia Horticulturae</i> 125(4): 785-788	7.40	32
22	Jhalagar, M.J., Sharma R.R., Pal, R.K., Arora, A. and Dahuja Anil	2011	Analysis of physiological and biochemical changes in Kiwifruit (<i>Actinidia chinensis</i> cv. Allison) after post harvest treatments with 1-methyl cyclopropene (1-MCP)	<i>J. Plant Biochem. Biotechnol.</i> 20(2): 205-210	6.41	10
23	Vikas Koundal, Qazi Mohd. Rizwanul Haq and Shelly Praveen	2011	Characterization, Genetic diversity and Evolutionary link of Cucumber mosaic virus strain New Delhi from India	<i>Biochemical Genetics</i> 49: 25-38	6.87	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24	Ali K., Gujjar R.S., Ramniwas, G.M. and Tyagi A.	2011	A rapid method for estimation of Abscisic acid and characterization of ABA regulated gene in response to water deficit stress from rice	<i>Amer. J. Pl. Physiol</i> 6(3): 144-156	9.78	-
25	Patel S.K., Dubey A.K., Srivastav M., Singh A.K., Dahuja A. and Pandey R. N.	2011	Effect of NaCl in the irrigation water on growth, anti-oxidant enzyme activities, and nutrient uptake in five citrus rootstocks.	<i>Journal of Horticultural Science & Biotechnology</i> 86(2): 189-195	6.54	04
26	Mandal S., Bose P., Dawar S., Rajarani A.P., Santha I.M.	2011	Kinetic and expression profiling of cytosolic pyruvate kinase enzyme during seed development of Indian mustard (<i>Brassica juncea</i>)	<i>J. Plant Biochem. Biotechnol.</i> 20: 102-109	6.90	04
27	Kumar R.R., Goswami S., Kumar N., Pandey S.K., Pandey V.C., Sharma S.K., Pathak H., Rai R.D.	2011	Expression of novel ascorbate peroxidase isoenzymes of wheat (<i>Triticum aestivum</i> L.) in response to heat stress	<i>Int. J. Pl. Physiol. Biochem.</i> 3(11): 188-194	2.20	-
28	Kumari P., Jolly M., Dubey N., Sachdev A.	2011	Quantitative determination of phytate, inorganic phosphate, total Phosphorous and phytase activity in Indian Soybean varieties	<i>Pusa AgriSci.</i> 34: 21-25	6.9	-
29	Sharma S., Sharma R.R., Pal R.K., Paul V., Dahuja A.	2011	1-methylcyclopropene influences biochemical attributes and fruit softening enzymes of "Santa Rosa" Japanese plum (<i>Prunus salicina</i> Lindl.)	<i>J. Pl. Biochem. Biotechnol.</i> DOI: 10.1007/s13562-011-0098-6	7.3	-
30	Awadhesh Kumar, Sweta Kumari, Monica Jolly, R.D. Rai and Archanan Sachdev	2012	Cloning and characterization of <i>myo</i> -inositol-1-phosphate synthase (<i>mips1</i>) gene in developing seeds of <i>Glycine max</i> L.	<i>Indian Journal Plant Physiology</i> 17(2): 121-125	5.5	02
31	Archana Singh	2012	As a one of the member of Consortium- Indian Initiative on Tomato Genome Sequencing Project (IITGSP). The tomato genome sequence provides insights into fleshy fruit evolution	<i>Nature.</i> 485: 635-641	20.00	1086



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
32	Babu S.R., Subrahmanyam B., Srinivasan, Santha I.M.	2012	<i>In vivo</i> and <i>In vitro</i> effect of <i>Acaciaailotica</i> seed proteinase inhibitors on <i>Helicoverpa armigera</i> larvae	<i>J. Biosci.</i> 37: 269-276	7.6	12
33	Himabindu Kudapa, Arvind K. Bharti, Steven B. Cannon, Andrew D. Farmer, K. Singh and Rajeev K. Varshney et al.	2012	A Comprehensive Transcriptome Assembly of Pigeonpea (<i>Cajanus cajan</i> L.) using Sanger and Second-Generation Sequencing Platforms	<i>Molecular Plant</i> 5: 1020-1028	12.34	52
34	Kakade V., Dubey A.K., Awasthi O.P. and Dahuja Anil	2012	Responses of physio-chemical attributes of Kinnow budded on jattikhatti to triazole treatment under salinity	<i>Acta Agronomica Hungarica</i> 60(4): 433-447	7.0	01
35	Khelaram Soren, Ali K. and Tyagi A.	2012	Cloning and Characterization of gene encoding novel zinc finger protein transcription factor from rice	<i>Indian J. Biochem Biophy.</i> 49: 36-41	7.5	02
36	Kumar R.R., Goswami S., Sharma S.K., Pathak H., Rai G.K. and Rai R.D.	2012	Genome wide identification of target heat shock protein 90 genes and their differential expression against heat stress in wheat	<i>Int. J. Biochem. Res. Rev.</i> 2(1): 12-30	6.9	02
37	Kumar R.R., Goswami S., Sharma S.K., Singh K., Gadpayle K.A., Singh S.D., Pathak H. and Rai R.D.	2012	Differential expression of heat shock protein and alteration in osmolyte accumulation under heat stress in wheat	<i>J. Pl. Biochem. Biotechnol.</i> 22(1): 16-26	7.09	13
38	Kumar R.R., Goswami S, Sharma S.K., Singh K., Gadpayle K.A., Singh S.D., Pathak H. and Rai R.D.	2012	Protection mechanism in wheat against heat stress involve differential expression of heat shock protein and change in cell membrane stability, antioxidant enzymes, osmolyte & hydrogen peroxide accumulation	<i>Int. J. Pl. Physiol. Biochem.</i> 4(4): 83-91	9.73	30
39	Ranjeet Ranjan Kumar, Sushil Kumar Sharma, Kritika A. Gadpayle, Khushboo Singh, Sivaranjani R., Suneha Goswami and Raj D. Rai.	2012	Mechanism of action of hydrogen peroxide in wheat thermotolerance - interaction between antioxidant iso-enzymes, proline and cell membrane	<i>Afr. J. Biotech.</i> 11(78): 14368-1437926	7.09	10



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
40	Nandita Sahana, Harpreet Kaur, Fatima Tena, Rakesh Kumar Jain, Peter Palukaitis, Tomas Canto and Shelly Praveen	2012	Inhibition of the host proteasome facilitates Papaya ringspot accumulation & proteosomal catalytic activity is modulated by viral factor HcPro	<i>PLOS ONE</i> 7(12): e52546 DOI:10.1371 / journal.pone	6.81	26
41	Nagendra K. Singh, Deepak K. Gupta, Pawan K. Jayaswal, Ajay K. Mahato, Sutapa Dutta, Sangeeta Singh and Shefali Bhutani et al.	2012	The first draft of the pigeonpea genome sequence	<i>J. Plant Biochem. Biotechnol.</i> 21(1): 98-112)	7.3	68
42	Singh O.P., Usha K., Saboki E., Srivastav M., Dahuja A. and Singh B.	2012	Enzymatic reactive oxygen species (ROS) scavenging system in mango varieties resistant and susceptible to malformation	<i>Scientia Horticulture</i> 138:81-89	7.3	07
43	Suresha G.S., Rai R.D. and Santha I.M.	2012	Molecular cloning, expression analysis and growth temperature dependent regulation of a novel oleate desaturase gene (<i>fad2</i>) homologue from <i>Brassica juncea</i>	<i>Australian J. Crop Sci.</i> 6: 296-308	7.0	06
44	Swati Kumari, Monica Jolly, Veda Krishnan, Anil Dahuja and Archana Sachdev	2012	Spatial and temporal expression analysis of D-myoinositol 3-phosphate synthase (MIPS) gene family in <i>Glycine max</i> L.	<i>African Journal of Biotechnology</i> 11(98): 16443-6454	7.5	03
45	Bharat Bhushan, Ajay Pal and Archana Singh	2013	Effect of lead on protein dissolution and phosphate mobilization in germinating oat seeds (<i>Avena sativa</i> L. cv. HJ-8)	<i>Ind. J. Agri. Res.</i> 47(5): 402- 410	3.8	02
46	Fatima Tena Ferandez, I., Inmaculada Gonzalez, Paula Doblás, Cesar Rodrigues, Nanita Sahana, Harpreet Kaur, Oscar Liorca, Shelly Praveen and Tonas Canto	2013	The influence of cis-acting P1 protein and translational elements on the expression of Potato virus Y.HCPro in heterologous systems and its suppression of silencing activity	<i>Molecular Plant Pathology</i> DOI: 10.1111/ mpp.12025	8.0	17
47	Kumar G., Dahuja Anil and Santha I.M.	2013	Effect of gamma radiation and storage on total antioxidant capacity and parameters responsible for generation of off-flavour in soybean seeds varying in seed coat color	<i>Leg. Res.</i> 37(5): 500-507	6.09	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
48	Kumar R.R., Sharma, S.K., Goswami, S., Singh, K., Gadpayle, K.A., Singh, G.P., Pathak, H. and Rai, R.D.	2013	Transcript profiling and biochemical characterization of mitochondrial superoxide dismutase (mtSOD) in Wheat (<i>Triticum aestivum</i>) under exogenous stress	<i>Aus. J. Crop Sci.</i> 7(3): 414-424	6.0	06
49	Kumar R.R., Sharma, S.K., Goswami, S., Singh, R., Pathak, H. and Rai, R.D.	2013	Characterization of differentially expressed stress-associated proteins in starch granule development under heat stress in wheat (<i>Triticum aestivum</i> L.)	<i>Indian J. Biochem. Biophys.</i> 50: 126-138	7.03	11
50	Kumar, R.R., Goswami, S., Sarma, S.K., Gadpayle, K.A., Singh, K., Kumar, N., Rai, G.K. and Rai, R.D.	2013	Heat stress associated antioxidant isoenzymes in wheat: expression and proteomics	<i>Indian J. Agric. Res.</i> 47(4): 280-287	3.86	-
51	Kumar, R.R., Goswami, S., Singh, K., Gadpayle, K.A., Sharma, S.K., Singh, G.P., Pathak, H. and Rai, R.D.	2013	Ascorbic acid at pre-anthesis modulate the thermotolerance level of wheat (<i>Triticum aestivum</i>) pollen under heat stress	<i>J. Plant Biochem. Biotechnol.</i> 23(3): 293-306	6.41	03
52	Kumar, R.R., Goswami, S., Singh, K., Rai, G.K. and Rai, R.D.	2013	Modulation of redox signaling pathways in plant system through induction of free radical /ROS scavenger molecules	<i>Aus. J. Crop Sci.</i> 7(11): 1744-1751	6.0	-
53	Kumar, R.R., Sharma, S.K., Rai, G.K., Singh, K., Choudhary, M., Dhawan, G., Singh, G.P., Goswami, S., Pathak, H. and Rai, R.D.	2013	Putrescine at pre-anthesis enhances the thermotolerance of wheat (<i>Triticum aeastivum</i> L.) by modifying transcript levels and activity of antioxidant enzymes	<i>Indian J. Biochem. Biophys.</i> 51: 396-406	7.03	03
54	Makhija L., Krishnan V., Rehman R., Chakraborty S., Maity S., Mabalirajan U., Chakraborty K., Ghosh B. and Agrawal A.	2013	Chemical chaperones mitigate experimental asthma by attenuating endoplasmic reticulum stress	<i>American Journal of Respiratory Cell and Molecular Biology</i>	7.0	-
55	Mandal S., Dahuja Anil and Santha I.M.	2013	Lipoxygenase activity in soybean is modulated by enzyme-substrate ratio	<i>J. Pl. Biochem. & Biotechnology</i> 23(2): 217-220	7.0	-
56	Pritee Singh, Monica Jolly, Mansi Punjabi, R.D. Rai and Archana Sachdev	2013	Characterization and expression of codon optimized soybean <i>phytase</i> gene in <i>E. coli</i> ,	<i>Indian Journal of Biochemistry & Biophysics</i> 50: 537-547	7.0	01



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57	Rohit Lall, George Thomas, Satendra Singh, Archana Singh and Gulshan Wadhwa	2013	Comparative genome analysis of <i>Solanum lycopersicum</i> and <i>Solanum tuberosum</i>	<i>Bioinformatics</i> 9(18): 923-928	6.53	02
58	Sharma D.K., Dubey A., Srivastav M., Singh A., Pandey R. and Dahuja Anil	2013	Effect of paclobutrazol and putrescine on antioxidant enzymes activities and nutrients content in salt-tolerant citrus rootstock sour orange under sodium chloride stress	<i>J. Plant Nutr.</i> 36(11): 1765-1779	7.0	-
59	Swati Kumari and Archana Sachdev	2013	Molecular cloning, characterization and bacterial overexpression of D-myoinositol 3-phosphate synthase (MIPS) gene from soybean (<i>Glycine max</i> [L.] Merr.)	<i>Australian Journal of Crop Sciences</i> 7: 1884-1892	4.0	-
60	Sweta Kumari, Veda Krishnan and Archana Sachdev	2013	Impact of soaking and germination durations on antioxidants and anti-nutrients of black and yellow soybean (<i>Glycine max</i> L.) Varieties	<i>Journal of Plant Biochemistry and Biotechnology</i>	7.31	03
61	Thomas S., Anand A., Chinnusamy V., Dahuja Anil and Basu S.	2013	Magnetopriming circumvents the effect of salinity stress on germination in chickpea seeds	<i>Acta Physiol. Plant</i> 35: 3401-3411	7.2	-
62	Veda Krishnan and Sahida Siddiqui	2013	Rapid decolourization of Acid red 10B by fungal strains	<i>Journal of Applied Technology in Environmental Sanitation</i> 3(1): 21-26	7.2	-
63	Veda Krishnan, Mageshwaran. V. and Sahida Siddiqui	2013	Efficient Bio-decolourization of Reactive Orange 4 by fungal strains	<i>Journal of Applied Technology in Environmental Sanitation</i> 3(4): 165-170	6.9	-
64	Awadhesh Kumar, Varun Kumar, S.K. Lal, Monica Jolly and Archana Sachdev	2014	Influence of gamma rays and ethyl methane sulphonate (EMS) on the levels of phytic acid, raffinose family oligosaccharides and antioxidants in soybean seeds of different genotypes	<i>Journal of Plant Biochemistry & Biotechnology</i> (DOI: 10.1007/s13562-014-0282-6)	6.9	06



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65	Goswami, S., Kumar, R.R. and Rai, R.D.	2014	Role of heat responsive micro RNAs (miRNAs), transcription factors and heat shock proteins in regulation of starch granule biosynthesis in wheat (<i>Triticum aestivum</i>) under the terminal heat	<i>Aus. J. Crop Sci.</i> 8(5): 697-705	6.55	-
66	Kumar Sujith M.S., Dahuja Anil, Rai R.D., Walia Suresh and Tyagi Aruna	2014	Role of γ -oryzanol in drought-tolerant and susceptible cultivars of rice (<i>Oryza sativa</i> L.)	<i>Ind. J. Biochem. Biophys.</i> 51: 75-80	6.0	-
67	Kumar, R.R. and Rai, R.D.	2014	Can wheat beat the heat: understanding the mechanism of thermotolerance in wheat (<i>Triticum aestivum</i>)	<i>Cereal Res. Commun.</i> 42(1): 1-18	8.78	-
68	Kumar, R.R., Singh, G.P., Goswami, S., Pathak, H. and Rai, R.D.	2014	Proteome analysis of wheat (<i>Triticum aestivum</i>) for the identification of differentially expressed heat-responsive proteins	<i>Aus. J. Crop Sci.</i> 8(6): 973-986	9.33	-
69	Kumar, R.R., Sharma, S.K., Goswami, S., Saxena, S., Singh, G.P., Kala, Y.K., Rai, G.K., Pathak, H., Singh, S. D. and Rai, R.D.	2014	Salicylic acid alleviates the heat stress-induced oxidative damage by modulating the expression of heat-stable genes and proteins in wheat (<i>Triticum aestivum</i>)	<i>Plant Physiol. Biochem.</i>	7.0	-
70	Mandal S., Dahuja Anil, KarAbhijit and Santha I.M.	2014	<i>In vitro</i> kinetics of soybean lipoxygenase with combinatorial fatty substrates and its functional significance in off-flavour development	<i>Food Chem.</i> 146: 394-403	4.03	-
71	Mawlong, I., Kurup, D., Ali, K., Yadav, S. and Tyagi, A.	2014	Isolation and characterization of an AP2/ ERF-type drought stress inducible transcription factor encoding gene from rice	<i>J. Plant Biochem. Biotechnol.</i> 23(1): 42-51	6.14	-
72	Meena, N.L., Ali, K., Deshmukh, P.R. and Tyagi, A.	2014	A modified protocol for protein extraction to study protein profile of chickpea (<i>Cicerarie tinum</i> L.) genotypes under high temperature	<i>Ind. J. Agri. Biochem.</i> 27(2): 208-210	6.07	-
73	Meena, N.L., Ali, K., Deshmukh, P.R. and Tyagi, A.	2014	Effect of heat stress on physio-biochemical characteristics of chickpea (<i>Cicerarie tinum</i> L.) genotypes	<i>Ind. J. Agricul. Sci.</i> 84(3): 401-406	6.0	-
74	Suresh Kumar	2014	RNAi (RNA interference) vectors for functional genomics study in plants	<i>Natl. Acad. Sci. Lett.</i> 37: 289-294	7.08	-



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75	Sweta Kumari, Veda Krishnan and Archana Sachdev	2014	<i>In vivo</i> bioavailability of essential minerals and phytase activity during soaking and germination in soybean (<i>Glycine max</i> L.)	<i>Australian Journal of Crop Science</i> 8(8): 1168-1174	7.8	-
76	Sweta Kumari, Veda Krishnan, Anil Dahuja, Vinutha T., Monica Jolly, Raj D. Rai and Archana Sachdev	2014	A rapid and reliable <i>Agrobacterium</i> mediated stable transformation method optimized for the Indian soybean genotypes	<i>Indian Journal of Biochemistry & Biophysics</i>	4.66	-
77	Sweta Kumari, Sanjay Kumar Lal and Archana Sachdev	2014	Identification of putative low phytic acid mutants and assessment of the total P, phytate P, protein and divalent cations in mutant populations of soybean	<i>Aust J. Crop Sci.</i> 8(3): 435-441	6.44	-
78	Sweta Kumari, Veda Krishnan, Monica Jolly and Archana Sachdev	2014	Phytate reduction and HCl extractability of essential minerals during soaking and generation in soybean (<i>Glycine max</i> . L.)	<i>Indian Journal of Plant Physiology</i> 20(1): 44-49	4.66	-
79	Kumar V., Vinutha T., Rajarani A.P., Navita B., Krishnan V., Dahuja A., Santha I.M. and R.D. Rai	2014	Purification and characterization of hydroperoxide lyase from soybean (<i>Glycine max</i> . L.)	<i>Bull. Env. Pharmacol. Life Sci.</i> 3(7): 6-11	7.09	-
80	Lokesh M., Veda K., Rakhshinda R., Samarpana C., Shuvadeep M., Ulaganathan M., Kausik C., Balaram G. and Anurag A.	2014	Chemical Chaperones Mitigate Experimental Asthma by Attenuating Endoplasmic Reticulum Stress	<i>American Journal of Respiratory Cell Molecular Biology</i>	6.55	-
81	Vaibhav K., Vinutha T., Rajarani A.P., Navita B., Veda K., Anil D., Santha I.M. and Rai R.D.	2014	Lipid peroxidation and related parameters strongly influence the storability of soybean (<i>Glycine max</i> L.) seeds	<i>International Journal of Biochemistry and Biotechnology</i>	4.66	-
82	Bharat B., Pal A., Kumar S., Rajesh and Singh A.	2015	Evaluation of post-germinative lipid peroxidation and enzymatic antioxidant potential in lead absorbing oat (<i>Avena sativa</i>) seedlings	<i>J. Environ. Biol.</i> 36: 279-288	8.06	-
83	Goswami, S., Kumar, R.R., Sharma, S.K., Kala, Y.K., Singh, K., Gupta, R., Dhawan, G., Rai, G.K., Singh, G.P., Pathak, H. and Rai, R.D.	2015	Calcium trigger protein kinases induced signal transduction for augmenting the thermotolerance of developing wheat grain under heat stress	<i>J. Plant Biochem. Biotechnol.</i> 24(4): 441-452	7.52	-



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84	Gupta M.K., Anand A., Paul V., Dahuja Anil and Singh A.K.	2015	Reactive oxygen species mediated improvement in vigour of static and pulsed magneto-primed cherry tomato seeds	<i>Indian J. Plant Physiol.</i> 20(3): 205-212	4.66	-
85	Kumar R.R., Goswami S., Gupta R., Verma P., Singh K., Singh J.P., Kumar M., Sharma S.K., Pathak H. and Rai R.D.	2015	The stress of suicide: temporal and spatial expression of putative heat shock protein 70 protect the cells from heat injury in wheat (<i>Triticum aestivum</i> L.)	<i>J. Plant Growth Regul.</i> 35(1): 65-82	8.06	-
86	Kumar R.R., Goswami S., Verma P., Singh K., Dixit N., Sharma S.K., Pathak H., Viswanathan C. and Rai R.D.	2015	Salicylic acid alleviates the heat stress-induced oxidative damage of starch biosynthesis pathway by modulating the expression of heat-stable genes and proteins in wheat (<i>Triticum aestivum</i> L.)	<i>Acta Physiol. Plant</i> 37: 143	7.52	-
87	Krishnan V., Hada A., Basak N., Pandey V., Marathe A., Punjabi M., Jolly M., Vinutha T., Manickavasagam M. and A. Sachdev	2015	RNA Interference-Based Gene Silencing: An Efficient Tool for Developing Designer Crops	<i>Journal of Science Technology and Management</i> 8(1): 11-18	-	-
88	Krishnan V., Jain P., Vinutha T., Hada A., Manickavasagam M., Ganapathi A., Rai R.D. and Sachdev A.	2015	Molecular modeling and <i>in-silico</i> characterization of <i>Glycine max</i> , Inositol (1, 3, 4) tris 5/6 kinase: A potential candidate gene for developing low phytate transgenics	<i>Plant Omics</i> 8(5): 381-391	6.00	-
89	Kumar R.R., Goswami S., Sharma S.K., Kala Y.K., Rai G.K., Mishra D.C., Grover M., Singh G.P., Pathak H., Rai A., Chinnusamy V. and Rai R.D.	2015	Harnessing next generation sequencing in climate change: RNA-Seq analysis of heat stress-responsive genes in wheat (<i>Triticum aestivum</i> L.)	<i>Omics J. Integra. Biol.</i> 19(10): 632-47	8.73	-
90	Kumar R.R., Pathak H., Sharma S.K., Kala Y.K., Nirjal M.K., Singh G.P., Goswami S. and Rai R.D.	2015	Novel and conserved heat-responsive micro RNAs in wheat (<i>Triticum aestivum</i> L.)	<i>Funct. Integr. Genomics</i> 15(3): 323-48	8.69	-
91	Kumar S.M.S., Ali K., Dahuja A. and Tyagi A.	2015	Role of phytosterols in drought stress tolerance in rice	<i>Plant Physiology and Biochemistry</i> 96: 83-89	8.76	-



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92	Kumar M., Hasan M., Arora A., Gaikwad K., Kumar S., Rai R.D. and Singh A.	2015	Sodium chloride-induced spatial and temporal manifestation in membrane stability index and protein profiles of contrasting wheat (<i>Triticum aestivum</i> L.) genotypes under salt stress.	<i>Ind. J. Plant Physiol.</i> 52: 75-85	4.66	-
93	K.K. Dwivedi, A. Radhakishna, Suresh Kumar, M.K. Srivastava, M.G. Gupta and P. Kaushal	2015	Development of an ISSR - derived SCAR marker linked to apospory in buffel grass (<i>Cenchrus ciliaris</i> L.)	<i>Ind. J. Gen. Plant Breeding</i> 75: 271-273	6.19	03
94	Manimaran B., Srivastava A., Gaur H.S., Dahuja, A. and Mohan S.	2015	Biochemical changes and fate of symbiotic bacteria- <i>Photorhabdus</i> in anhydrobiotic <i>Heterorhabditis indica</i>	<i>Indian J. Nematology</i> 45(1): 105-107	4.56	01
95	Meena N.L., Ali K., Deshmukh P.R. and Tyagi A.	2015	Thermotolerance in Chickpea: Physio-Biochemical Analysis	<i>Acta Scientifica International J. Agri.</i> 1(1): 24-30	4.10	-
96	Mawlong I., Ali K., Srinivasan R., Rai R.D. and Tyagi A.	2015	Functional validation of a drought-responsive AP2/ERF family transcription factor-encoding gene in <i>Arabidopsis</i>	<i>Molecular Breeding</i> 35(8) DOI: 10.1007/s11032-015-0290-9	8.28	-
97	Mohammad Faisal, Quaiser Saquib, Abdulrahman A. Alatar, Abdulaziz A. Al-Khedhairi, Mukhtar Ahmed, Sabiha M. Ansari, Hend A. Alwathnani, Sourabh Dwivedi, Javed Musarrat and Shelly Praveen	2015	Cobalt oxide nanoparticles aggravate DNA damage and cell death in eggplant via mito-chondrial swelling and NO signaling pathway	<i>Biological Research</i> 49(1): DOI: 10.1186/s40659-016-0080-9	8.0	02
98	Varsha Garg, Vipin Permar, Vilas Parkhi, Elangovan Mani, Abdul rahman A. Alatar, Mohammad Faisal and Shelly Praveen	2015	Differentiating tomato leaf curl viruses possessing mono/bi partite genomes using replicase gene based PCR assay: Implications for developing virus specific resistance	<i>J. Plant Biochem. Biotechnol.</i> DOI: 10.1007/s13562-015-0299-5	7.09	02
99	Suresh Kumar, N. Sahu and A. Singh	2015	High-frequency in vitro plant regeneration via callus induction in a rare sexual plant of <i>Cenchrus ciliaris</i> L.	<i>In Vitro Cellular and Developmental Biology</i> 51: 28-34	7.16	02



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100	Tyagi Aruna	2015	Role of AP2/ERF Family Transcription Factors in Stress Responsive Gene Expression in Plants	<i>Botanica</i> 64&65: 61-74		-
101	Saxena S., Singh A., Archak S., Behera T.K., Tusha K., Joseph K.J., Sudhir, Meshram U. and Gaikwad A.B.	2015	Development of Novel Simple Sequence Repeat Markers in Bitter Gourd (<i>Momordica charantia</i> L.) Through Enriched Genomic Libraries and Their Utilization in Analysis of Genetic Diversity and Cross-Species Transferability	<i>Appl. Biochem. Biotechnol.</i> 175: 93-118	7.69	05
102	Vinutha, T., Rama Prashat, G., Krishnan, V., Bansal, N., Kumari, S., Dahuja, A., Singh A., Sachdev, A., and Rai, RD	2015	Endogenous RNA silencing pathways in plants: its implications in crop improvement and functional genomics	<i>J. Sci. Technol. Management</i> 2(8): 106-111	7.08	-
103	A. Singh, B. Bhushan, O.P. Yadav, K. Gaikwad, Suresh Kumar and R.D. Rai	2015	Induced defence responses of contrasting bread wheat genotypes under differential salt stress imposition	<i>Indian Journal of Biochemistry and Biophysics</i> 52: 75-85	7.08	-
104	Anil Dahuja and Yadav S.	2015	Biochemical basis of seed deterioration -an overview	<i>Seed Res.</i> 43(1): 01-08		-
105	Alkesh Hada, Veda Krishnan, Mansi Punjabi, Nabaneeta Basak, Vanita Pandey, The boral Jeevaraj, Ashish Marathe, Amit K. Gupta, Monica Jolly and Arun Kumarm, <i>et. al.</i>	2015	Refined glufosinate selection and its extent of exposure for improving the <i>Agrobacterium</i> mediated transformation in Indian soybean (<i>Glycine max</i>)	<i>Plant Biotechnology</i>	6.87	-
106	Vinutha T., Chirag Maheswari, Navita Bansal, Rama Prashat G., Veda Krishnan, Sweta Kumari, Anil Dahuja, Archana Sachdev and R.D. Rai	2015	Expression analysis of γ -tocopherol methyl transferase genes and alpha- tocopherol content in developing seeds of soybean (<i>Glycine max</i>)	<i>Indian J. Biochem. and Biophys.</i> 52: 46-56	6.87	-
107	Vaibhav Kumar, Vinutha T, Rajarani A.P, Navita Bansal, Veda Krishnan, Anil Dahuja, I.M. Santha and R.D. Rai	2015	Lipid peroxidation and related parameters strongly influence the storability of soybean (<i>Glycine max.</i> L.) seeds	<i>Int. J. Biochem. and Biotech.</i> 4(7): 615-625	6.88	-



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108	Verma P., Kumar R.R., Goswami S., Sharma S.K., Nirjal M.K., Singh J.P., Dubey K., Patal H. and Rai R.D.	2015	Identification of novel starch synthase genes using de novo assembly and heat-induced expression and activity in developing wheat (<i>Triticum aestivum</i> L.)	<i>Indian J. Biochem. Biophy.</i> 52: 41-52	7.08	-
109	Quaiser Saquib, Mohammad Faisal, Abdulrahman A. Alatar, Abdulaziz A. Al-Khedhairi, Mukhtar Ahmed and Sabiha M. Ansari <i>et al.</i>	2016	Genotoxicity of ferric oxide nanoparticles in <i>Raphanus sativus</i> : Deciphering the role of signaling factors, oxidative stress and cell death	<i>Journal of Environmental Sciences</i> (In press) http://dx.doi.org/10.1016/j.jes.2015.12.037	7.48	02
110	Krishnan, V., Singh, A., Vinutha, T., Singh, B., Dahuja, A., Rai, R.D. and Sachdev, A.	2016	Low gamma irradiation effects on protein profile, solubility, oxidation, scavenger ability and bioavailability of essential minerals in black and yellow Indian soybean (<i>Glycine max</i> L.) varieties	<i>Journal of Radioanalytical and Nuclear Chemistry</i> 307(1): 49-57	7.42	02
111	Ali, K., Rai, R.D. and Tyagi, A.	2016	Expression analysis of bZIP transcription factor encoding genes in response to water deficit stress in rice	<i>Ind. J. Exp. Biol.</i> 54: 332-337	6.75	01
112	Behera T.K., Rao A.R., Amarnath R. and Kumar R.R.	2016	Comparative transcriptome analysis of female and hermaphrodite flower buds in bitter melon (<i>Momordica charantia</i> L.) by RNA sequencing	<i>J. Horti. Sci. Biotechnol.</i> 91(3): 250-257	6.81	-
113	Dayal V., Dubey A.K., Singh S.K., Sharma R.M., Dahuja A. and Kaur C.	2016	Growth, yield and physiology of mango (<i>Mangifera indica</i> L.) cultivars as affected by polyembryonic rootstocks	<i>Scientia Horticulturae</i> 199: 186-197	7.37	01
114	Kumari S., Memba J.S., Dahuja A., Vinutha T., Saha S. and Sachdev A.	2016	Elucidation of the role of oleosin in off-flavour generation in soymeal through supercritical CO ₂ and biotic elicitor treatments	<i>Food Chemistry</i> 205: 264-171	9.39	01
115	Mawlong I., Ali K. and Tyagi A.	2016	Cloning and Characterization of a Water-Deficit-Stress Responsive Transcription Factor Gene from Rice (<i>Oryza sativa</i>)	<i>Ind. J. Exp. Biol.</i> 54: 26-36	6.75	03



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116	Mishra A.K., Chakraborty O., Pandey B., Tyagi C., Singh A., Kumar A. and Jain A.K.	2016	<i>In-silico</i> prediction of cis-regulatory elements and functional domains of salt-stress ESTs in <i>Glycine max</i>	<i>Ind. J. Agri. Biochem.</i> 28(2): 166-171	4.03	-
117	Parihar C.M., Jat S.L., Singh A.K., Kumar B., Singh Y., Pradhan S., Pooniya V., Dahuja A., Chaudhary V., Jat M.L., Jat R.K. and Yadav O.P.	2016	Conservation agriculture in irrigated intensive maize-based systems of north-western India: effects on crop yields, water productivity and economic profitability	<i>Field Crops Research</i> 193: 104-116	8.98	03
118	Rai G.K., Jamwal D., Singh S., Parveen A., Kumar R.R., Singh M., Rai P.K. and Salgotra R.K.	2016	Assessment of genetic variation in tomato (<i>Solanum lycopersicum</i> L.) based on quality traits and molecular markers.	<i>SABRAO J. Breed. Genet.</i> 48(1): 72-81	6.0	01
119	Rai G.K., Jamwal D., Singh S., Singh M., Kumar R.R., Salgotra R.K. and Rai P.K.	2016	Electrophoretic characterization of Tomato (<i>Solanum lycopersicum</i> L. Mill.) using SDS PAGE	<i>Environ. Ecol.</i> 34(4): 1399-1403	6.0	-
120	Suresh Kumar and Sheena Saxena	2016	Sequence characterized amplified regions linked with apomictic mode of reproduction in four different apomictic <i>Cenchrus</i> species	<i>Molecular Plant Breeding</i> 7: 1-14 DOI: mpb.2016.070008		-
121	Thagela P., Yadav R.K., Mishra V., Dahuja A., Ahmad A., Singh P.K., Tiwari B.S. and Abraham G.	2016	Salinity-induced inhibition of growth in the aquatic pteridophyte <i>Azolla microphylla</i> primarily involves inhibition of photosynthetic components and signaling molecules as revealed by proteome analysis	<i>Protoplasma</i> DOI: 10.1007/s00709-016-0946-2.10.5376	8.65	02
122	Xiaokang Wang, Qi Li, Wei Yuan, Suresh Kumar, Yan Li and Weiqiang Qian	2016	cytosolic Fe-S cluster assembly component MET18 is required for the full enzymatic activity of ROS1 in active DNA demethylation	<i>Scientific Reports</i> 6: 26443 DOI: 10.1038/srep26443.X	11.58	01

List of Publications Students

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1	Ramesh, S.V., Mishra, A.K. and Praveen, S.	2007	Hairpin RNA-Mediated Strategies for Silencing of <i>Tomato leaf curl virus</i> AC1 and AC4 Genes for effective resistance in plants	<i>Oligonucleotide</i> 17: 251-257	-	-



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2	Shelly Praveen and Ramesh, S.V.	2007	Small RNAs and Viral Interference. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science</i>	<i>Nutrition and Natural Resources</i> 2: 04310	2.04	-
3	Yadav, S., Viswanathan, C. and Tyagi, A.	2007	Cloning and chracterization of shine clade of AP2 domain transcription factor from <i>Oryza sativa</i>	<i>International J. Tropical Agriculture</i> 25(3): 449-458	3.03	-
4	Yadav, S., Hussain, Z., Yadav, S.K., Mishra, S.K., and Tyagi, A.	2007	An over view of AP2/ERF transcription factors and their role in abiotic stress	<i>International J. Tropical Agriculture</i> 25(3): 407-417	3.03	-
5	Jinu Jacob and I.M Santha	2008	Isolation and characterization of β – Ketoacyl acyl carrier protein synthase III (KAS III) gene sequence from <i>Brassica juncea</i>	<i>Pusa Agri. Sci.</i> 30: 17-24	2.20	-
6	Satendra K. Mangrauthia, B. Parameshwari, R.K. Jain and Shelly Praveen	2008	Role of genetic recombination in the molecular architecture of <i>Papaya ringspot virus</i>	<i>Biochemical Genetics</i> 46(11): 835-846	6.87	-
7	Satendra K. Mangrauthia, R.K. Jain and Shelly Praveen	2008	Sequence Motifs comparisons establish a functional portrait of a multi-functional protein HC- Pro from <i>Papaya ringspot Potyvirus</i>	<i>Biochemistry and Biotechnology</i> 201-204	7.36	-
8	Shelly Praveen, Satendra K. Mangrauthia, Priyanka Singh and Anil K. Mishra	2008	Behavior of RNAi suppressor protein 2b of <i>Cucumber mosaic virus</i> in planta in presence and absence of virus	<i>Virus Genes. J. Plant</i> 37: 96-102	7.58	-
9	Ilaiyaraja, N., Rajarani, A.P. and Santha, I.M.	2008	Cloning and Characterization of diacyl glycerol acyl transferase cDNA sequence from <i>Brassica juncea</i> cv Pusa Bold	<i>Indian J. Biochem. Biophys.</i> 45: 30-36	6.87	-
10	Jinu Jacob and I.M Santha	2008	Isolation and characterization of β – Ketoacyl acyl carrier protein synthase III (KAS III) gene sequence from <i>Brassica juncea</i>	<i>Pusa Agri. Sci.</i> 30: 17-24	2.20	-
11	Kumar Rajesh, Dubey Nirupama and Sachdev, Archana	2008	Isolation an characterization of microsomal-6 desaturase gene from <i>Glycine max L. cv. Pusa-9702. New Botanist</i>	<i>Int. J. Plant Sci. Res.</i> 35:1-4 ISSN: 0377-1741	2.19	-
12	Mangrauthia, S.K., Praveen, S., Singh, P. and Mishra, A.K.	2008	Behavior of RNAi suppressor protein 2b of <i>Cucumber mosaic virus</i> in planta in presence and absence of virus	<i>Virus Genes.</i> 37: 96-102	7.58	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
13	Mangrauthia, S.K., Choudhary, N.L. and Tyagi, A.	2008	Cloning and characterization of drought responsive partial gene sequence(s) from <i>Oryza sativa</i> L. subs p. Indica	<i>Indian J. Biochem. Biophys.</i> 45: 387-392	6.87	-
14	Sinha, S.K., Dubey, Nirupama and Sachdev, Archana	2008	Intron-spliced gene silencing constructs for alteration of seed fatty acid composition by RNAi induced transgene silencing	<i>New Botanist International J. Plant Sci. Res.</i> 35: 1-4, 23-32	2.19	-
15	Suresha, G.S and Santha, I.M.	2008	Molecular cloning of partial oleate desaturase gene from <i>Brassica napus</i>	<i>Indian J. Plant Physiol.</i> 13: 334-338	4.66	-
16	Gupta, N.C., Sinha S.K., Jolly, Monica, Dubey Nirupama and Sachdev, Archana	2009	Antisense RNA-mediated inhibition of <i>Gmfad2-1</i> encoding omega 6 desaturase	<i>Ind. J. Plant Physiology</i> 14(4): 336-343	4.66	-
17	Kumar, R.R and Santha, I.M.	2009	Isolation and chracterization of plastidial localized, seed expressive lysophosphatidyl acyl transferase (<i>LPAAT</i>) from <i>Brassica juncea</i>	<i>J. Plant Biochem. and Biotechnol.</i> 18: 225-228	7.09	-
18	Kumar, R.R and Santha, I.M.	2009	Isolation and chracterization of intron-less ER localized 1-acyl glycerol-3-phosphate acyl transferase (<i>LPAAT</i>) from <i>Brassica juncea</i> L. var Pusa Bold	<i>Pusa Agri. Sci.</i> 32: 26-32	2.20	-
19	Kumari Vinita, Ali, K. and Tyagi Aruna	2009	Isolation of differentially regulated partial cDNA with respect to water deficit stress from rice	<i>Indian Journal of Plant Physiology</i> 14: 306-309	4.66	-
20	Mangrauthia, S.K., Singh, Priyanka and Praveen, Shelly	2009	Genomics of Helper Component Proteinase Reveals Effective Strategy for Papaya Ringspot Virus Resistance	<i>Molecular Biotechnology</i> 44(1): 22	7.88	-
21	S.K. Mangrauthia B. Parameswari, S. Praveen Rakesh Kumar Jain	2009	Comparative genomics of Papaya ringspot virus pathotypes P and W from India	<i>Arch. Virol.</i> 154: 727-730		-
22	Satendra K. Mangrauthia, Viplendra P. Singh Shakya, R.K. Jain and Shelly Praveen	2009	Ambient Temperature Perception in papaya for <i>Papaya ringspot virus</i> interaction	<i>Virus Genes.</i> 38: 429-434	7.58	-
23	Soren K.R., Ali, K. and Tyagi, A.	2010	Recent advances in molecular breeding of drought stress in rice	<i>Indian J. Biotechnology</i> 9: 233-251	6.39	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24	Chaudhary Vinita and Sachdev Archana	2010	Molecular characterization of phytase gene and phytate accumulation pattern in developing seeds of <i>Glycine max</i>	<i>In CCEA, 2010 Conference proceedings undesired by Therson ISI.</i> British Library and Nelson	-	-
25	Ali K., Gujjar R.S., Ram Niwas, Gopal M. and Tyagi A.	2011	A rapid method for estimation of abscisic acid and characterization of ABA regulated gene in response to water deficit stress from rice	<i>American J. Plant Physiology America</i> 63: 144-156	-	-
26	Somnath Mandal, Pramila Bose, Sangeeta Dawan, A.P. Rajarani and I.M. Santha	2011	Kinetic and expression profiling of cytosolic pyruvate kinase enzyme during seed development of Indian Mustard (<i>Brassica juncea</i>)	<i>J. Plant Biochem. Biotech.</i> 20: 102-109	7.09	
30	Vikas Koundal, Vinutha T., Qazi Mohd Rizwanul Haq and Shelly Praveen	2011	Modulation of Plant Development and MYB Down Regulation: Both during In Planta Expression of miR159a and in Natural ToLCV Infection	<i>J. Plant Biochemistry and Biotechnology</i> 19(2): 171-175	7.09	-
31	Suresha G.S, Rai R.D. and Santha I.M.	2012	Molecular cloning, expression analysis and growth temperature dependent regulation of a novel oleate desaturase gene (<i>fad2</i>) homologue from <i>Brassica juncea</i>	<i>Australian Journal of Crop Science</i> 6: 296-308	4.00	-
32	Preeti Kumari, Jolly M., Dubey N. and Sachdev, A.	2012	Quantitative determination of phytate, total phosphorous and phytase activity in Indian soybean varieties	<i>Pusa AgriScience India</i> 34: 21-25	2.02	-
33	Khelaram, S., Ali K. and Tyagi A.	2012	Cloning and characterization of gene encoding novel zinc finger protein transcription factor from rice	<i>Indian J. Biochem. Biophys. India</i> 49: 36-41	6.87	-
34	Goswami S., Sahana N., Pandey, V., Doblaz, P., Jain, R.K., Palukaitis, P., Canto, T. and Praveen, S.	2012	Interference in plant defense and development by non-structural protein NSs of groundnut bud necrosis virus	<i>Virus Research Elsevier, Netherland</i> 163: 368-373	8.32	-
35	Gupta O.P., Permar V., Koundal, Singh U.D. and Praveen S.	2012	MicroRNA regulated defense responses in <i>Triticum aestivum</i> L. during <i>Puccinia graminis</i> f.sp. tritici infection	<i>Molecular Biology Reports. USA</i> 39: 817-824	8.02	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
36	Swati Kumari, Monica Jolly, Veda Krishnan, Anil Dahuja and Archana Sachdev	2012	Spatial and temporal expression analysis of D-myoinositol 3-phosphate synthase (MIPS) gene family in <i>Glycine max</i> L. India	<i>African Journal of Biotechnology</i> 11(98): 16443-16454	6.39	-
37	Nandita Sahana, Harpreet Kaur, Fatima Tena, Rakesh Kumar Jain, Peter Palukaitis, Tomas Canto and Shelly Praveen	2012	Inhibition of the host proteasome facilitates Papaya ringspot accumulation & proteosomal catalytic activity is modulated by viral factor HcPro.	<i>J. PLOS ONE</i> 0052546. 7(12): e52546 DOI: 10.1371	-	-
38	Awadhesh Kumar, Sweta Kumari, Monica Jolly, R.D. Rai and Archana Sachdev	2012	Cloning and characterization of myo- inositol-1-phosphate synthase (<i>mips1</i>) gene in developing seeds of <i>Glycine max</i> L.	<i>Indian Journal Plant Physiology</i> 17(2): 121-125	4.66	-
39	Fátima Tena Fernández, Inmaculada González, Paula Doblás, César Rodríguez, Nandita Sahana, Harpreet Kaur, Óscar Llorca, Shelly Praveen and Tomas Canto	2013	The influence of cis-acting P1 protein and translational elements on the expression of Potato virus Y HCPro heterologous systems and its suppression of silencing activity	<i>Molecular Plant Pathology</i> DOI: 10.1111/mpp: 10235	10.72	-
40	Mandal S., Dahuja Anil, Kar Abhijit and Santha I.M.	2013	<i>In vitro</i> kinetics of soybean lipoxygenase with combinatorial fatty substrates and its functional significance in off-flavour development	<i>Food Chemistry</i> 146: 394-403	9.39	-
41	Somnath Madndal, Nandita Sahana, A.P. Rajarani and I.M. Santha	2013	Molecular cloning, characterization and expression of lipoxygenase 2 (<i>lox 2</i>) isozymes from Indian soybean [<i>Glycine max</i> (L.) Merrill]cv. Pusa16. India	<i>Indian Journal of Biochemistry & Biophysics</i> 50: 54-63	6.87	-
42	Somnath Mandal, Anil Dahuja and I.M. Santha	2013	Lipoxygenase activity in soybean is modulated by enzyme-substrate ratio	<i>Journal of Plant Biochem. and Biotechnology</i> DOI: 10.1007/s135.62-103-0203-0	7.09	-
43	Kumar G., Dahuja Anil and Santha I.M.	2013	Effect of gamma radiation and storage on total antioxidant capacity and parameters responsible for generation of off-flavour in soybean seeds varying in seed coat color	<i>Legume Research</i>	6.15	-
44	Swati Kumari and Archana Sachdev	2013	Molecular cloning, characterization and bacterial over expression of D-myoinositol 3-phosphate synthase (MIPS) gene from soybean (<i>Glycine max</i> [L.] Merr.)	<i>Aust. J. of Crop Sci.</i> 7: 1884-1892	4.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
45	Sweta Kumari, Sanjay Kumar Lal and Archana Sachdev	2014	Identification of putative low phytic acid mutants and assessment of the total P, phytate P, protein and divalent cations in mutant populations of soybean	<i>Australian Journal of Crop Science</i> 8(3): 435-441	4.00	-
46	Sweta Kumari, Veda Krishnan and Archana Sachdev	2014	Impact of soaking and germination durations on antioxidants and anti-nutrients of black and yellow soybean (<i>Glycine max.</i> L.) Varieties	<i>Journal of Plant Biochemistry and Biotechnology</i> (Published online first) DOI: 10.1007/s13562-014: 0282-6	7.09	-
47	Sweta Kumari, Veda Krishnan, Monica Jolly and Archana Sachdev	2014	<i>In vivo</i> bioavailability of essential minerals and phytase activity during soaking and germination in soybean (<i>Glycine max</i> L.)	<i>Australian Journal of Crop Science</i> 8(8): 1168-1174	4.00	-
48	Sweta Kumari, Raj D. Rai and Archana Sachdev	2014	A rapid and reliable method to enhance <i>Agrobacterium</i> mediated stable transformation of Indian soybean genotypes	<i>Australian Journal of Crop Science</i>	4.00	-
49	Nandita Sahana, Harpreet Kaur, R.K. Jain, Peter Palukaitis, Tomas Canto and Shelly Praveen	2014	The asparagine residue in the FRNK box of potyviral helper-component protease is critical for template function and subcellular localization	<i>Journal of General Virology</i> 0.060269-0	9.18	-
50	Nandita Sahana and Shelly Praveen	2014	Cloning, Characterization and in vitro Expression of Two Subunits of 20S Proteasome Complex from Papaya	<i>Pusa AgriScience</i>	2.20	-

Faculty Profile

(i) Professors

S. No.	Name	Period
1.	Dr. Archana Sachdev	November, 2007 – March, 2010
2.	Dr. I.M. Santha	April, 2010 – March, 2013
3.	Dr. Archana Sachdev	April, 2013 – April, 2016
4.	Dr. Aruna Tyagi	May, 2016 – till date



(ii) Heads

S. No.	Name	Period
1.	Dr. Prikshayat Singh	2006-2009
2.	Dr. R.D. Rai	18.2.2010 – 31.01.2016
3.	Dr. Shelly Praveen	March 2016 – till date

(iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. Shelly Praveen	Ph.D.	Plant Molecular Virology	15	22
2.	Dr. Aruna Tyagi	Ph.D.	Molecular Biology of Abiotic Stress	7	6
3.	Dr. Archana Sachdev	Ph.D.	Plant Molecular Biology & Plant Biochemistry	6	3
4.	Dr. Suresh Kumar	Ph.D.	Plant Molecular Biology & Biotechnology	9	9
5.	Dr. Anil Dahuja	Ph.D.	Molecular Biology of Biotic Stress & Lipid Biochemistry	8	8
6.	Dr. Archana Singh	Ph.D.	Plant Biochemistry & Molecular Biology	12	12
7.	Dr. Ranjeet Ranjan Kumar	Ph.D.	Plant Biochemistry	6	5
8.	Dr. Suneha Goswami	Ph.D.	Biochemistry	7	6
9.	Dr. Vinutha T.	Ph.D.	Biochemistry	2	1
10.	Ms. Veda Krishnan	M.Sc.	Biotechnology	3	2
11.	Dr. Sweta Kumari	Ph.D.	Biochemistry	3	3



Molecular Biology & Biotechnology

R.C. Bhattacharya

Students Awarded Degree

S. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
M.Sc. Students					
1.	2007	Abhay Kumar	Characterization of abiotic stress-inducible promoters	Dr. K.C. Bansal	-
2.	2007	Chet Ram	Screening of native <i>Bacillus thuringiensis</i> (Bt) isolates from soil samples from diverse locations in Rajasthan and West Bengal states of India for the presence of cry (crystal) gene	Dr. Sarvjeet Kaur	-
3.	2008	N. Umakanta	Molecular characterization of wild abortive cytoplasm based male sterility in rice	Dr. T. Mohapatra	-
4.	2008	Neetu Singh	Characterization of promoters of nuclear encoded mitochondrial ribosomal protein genes of <i>Arabidopsis</i> and rice	Dr. S.R. Bhat	-
5.	2008	H.M. Gebremedhn	Development of <i>Brassica juncea</i> transgenic plants with Defense Regulatory Gene NPR1 for improving <i>Alternaria</i> resistance	Dr. Anita Grover	-
6.	2009	Prashant P. Damke	Association study between SSR markers and grain chalkiness in rice genotype	Dr. N.K. Singh	-
7.	2009	Soham Ray	Identification and cloning of <i>Avr: Pi-kh</i> gene from <i>Magnaporthe oryzae</i>	Dr. T.R. Sharma	-
8.	2009	Rajendra Kumar Meena	Screening of <i>Bacillus thuringiensis</i> (Bt) isolates recovered from diverse habitats in India for the presence of <i>cryI</i> -type genes	Dr. Sarvjeet Kaur	-
9.	2010	Shanmugavadivel	Discovery, validation and use of SNP markers for mapping quantitative trait loci for grain size in rice	Dr. T. Mohapatra	-
10.	2010	Anshul Watts	Tissue specific suppression of <i>Apetala2</i> get towards increased seed mass in <i>Arabidopsis thaliana</i>	Dr. S.R. Bhat	-
11.	2010	Suhas Gorakh Karkute	Transcriptome analysis of normal and Bt brinjal fruits	Dr. P.A. Kumar	-
12.	2010	Senthiikumar K.M.	Allele-specific expression profiling of C4 pathway genes	Dr. K.C. Bansal	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
13.	2010	Donald Soubam	Molecular characterization of rice transgenic lines containing blast resistant gene	Dr. T.R. Sharma	-
14.	2010	Namo Narayan	Allele mining for the grain weight QTL <i>GW2</i> in rice	Dr. T. Mohapatra	-
15.	2010	M.R.S. Ardakani	Marker assisted selection for multiple bacterial blight resistance genes in Basmati rice	Dr. T. Mohapatra	-
16.	2010	Rajendra Prasad Meena	Molecular and phenotypic analysis of <i>Brassica Juncea</i> transgenics having defense regulatory NPR1 gene	Dr. Anita Grover	-
17.	2011	Momena Khandaker	Cloning of Cadherin Gene fragment from <i>Helicoverpa armigera</i>	Dr. P.A. Kumar	-
18.	2011	Neeraj Anand	Development and validation of HvSSR marker in Rice	Dr. N.K. Singh	-
19.	2011	Dhiman Chakravarty	Identification of potential target genes in mustard aphid (<i>Lipaphis erysimi</i>) for Developing RNAi mediated resistance in host Plant	Dr. R.C. Bhattacharya	-
20.	2011	Sujata Kumari	Development of a plant transformation vector for host mediated delivery of siRNA molecules Targeted to aphid specific genes	Dr. R.C. Bhattacharya	-
21.	2011	Ravi Prakash Saini	Expression analysis of defense genes in response to <i>Alternaria brassicae</i> infection and salicylic and jasmonic acids in <i>Brassica juncea</i>	Dr. Anita Grover	-
22.	2011	Hemant B. Kardile	Expression profiling of selected photosynthetic genes under water deficit and high temperature Conditions in wheat	Dr. K.C. Bansal	-
23.	2011	Kishor Uttamrao Tribhuvan	Proteome analysis of transgenic Bt and non-Bt Brinjal	Dr. P.A. Kumar	-
24.	2011	N.T. Thuy	Development of high temperature responsive expressed sequence tag (EST) library in <i>Prosopis cineraria</i> (L.) Druce	Dr. Jasdeep Chatrath	-
25.	2011	P.H. Diep	Development of drought responsive expressed sequence tag (EST) library in <i>Prosopis cineraria</i> (L.) Druce	Dr. Jasdeep Chatrath	-
26.	2012	Vidushi Rastogi	Development of transgenic Indian mustard (<i>Brassica juncea</i>) expressing siRNA against mustard aphid serine protease	Dr. R.C. Bhattacharya	-
27.	2012	Donald James	Identification and characterization of heat responsive genes from <i>Pennisetum glaucum</i> (L.) R.Br.	Dr. Jasdeep Padaria	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
28.	2012	Deepak Pawar	Construction of plant transformation vector: sub-cloning of pigeonpea lectin (CCL) gene under <i>rolC</i> promoter	Dr. Rekha Kansal	-
29.	2012	Rakesh Bhowmick	Study of genes involved in salt tolerance during early stages in Kharchia Local Wheat	Dr. Kanika	-
30.	2012	Krishnendu Pramanik	Analysis of salt induced genes during reproductive stages in wheat cv. Kharchia Local	Dr. Kanika	-
31.	2013	Lianthanzauva	Development of transgenic Indian mustard (<i>Brassica juncea</i>) cv. Pusa Jaikisan with pigeonpea lectin gene driven by <i>rolC</i> promoter	Dr. Rekha Kansal	-
32.	2013	Albert Maibam	Genome wide identification and characterization of heat shock factor (hsf) genes from pigeonpea (<i>Cajanus cajan</i>) (L.) Millsp.	Dr. Kishor Gaikwad	-
33.	2013	Denkar Priya	Molecular characterization of Hsp 100 family genes from pigeonpea and related wild species	Dr. Kishor Gaikwad Balkrishna	-
34.	2013	Mahajan Mahesh Mohanrao	Metagenomic approach for microbial diversity analysis of hot water spring	Dr. Kanika	-
35.	2014	Priyanka	Interaction of defense elicitors Bjeli2 in activation of defense genes in <i>Brassica juncea</i>	Dr. R.C. Bhattacharya	-
36.	2014	Sudhir Kumar	<i>In vitro</i> Expression of Pigeonpea Lectin Gene and its Characterization	Dr. Rekha Kansal	-
37.	2014	Manoj, M.L.	Characterization of miRNAs in pigeonpea (<i>Cajanus cajan</i> (L.) mill sp.) cytoplasmic male sterile and fertility restorer lines	Dr. Kishor Gaikwad	-
38.	2014	Shruti Sinha	Differential expression of key enzymes involved in Nitrogen Use Efficiency (NUE) in contrasting wheat genotypes	Dr. P.K. Mandal	-
39.	2014	Pawan Sitaram Mainkar	Genome wide identification and expression analysis of ERF gene family members in chickpea in response to drought stress	Dr. P.K. Jain	-
40.	2014	Kishor Prabhakar Panazade	Perturbing cytokinin homeostasis for yield enhancement in Mustard (<i>Brassica juncea</i>)	Dr. P.K. Dash	-
41.	2016	Sandeep Jaiswal	Host-Delivered RNAi-mediated silencing of Ace-1 gene for gram pod borer resistance	Dr. Debasis Pattanayak	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
42.	2016	Lal Bahadur Singh	Identification and characterization of tissue specific miRNAs in chickpea	Dr. P.K. Jain	-
43.	2016	Chetan Kumar Nagar	Expression studies of nitrate transport system gene(s) in contrasting wheat genotypes for nitrogen use efficiency	Dr. Pranab Kumar Mandal	-
44.	2016	Neeta Pargi	Molecular cloning and transcript expression profiling of SnRk1 (Sucrose non-fermenting-1 related protein Kinase 1) under terminal heat stress in wheat (<i>Triticum aestivum</i> L.)	Dr. Sarmishtha Barthakur	-
45.	2016	Ningombam Rabichandra Meitei	Molecular characterization of virulent <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> (Xoo) isolates and their responsive susceptibility genes in rice	Dr. Rhitu Rai	-
46.	2016	Hay Van Duong	Cloning and transformation of mustard (<i>Brassica juncea</i> L.) with At-DWARF4	Dr. P.K. Dash	-
47.	2017	Parichita Priyadarshini	Expression profiling of microRNAs in wilt-resistant and susceptible genotypes of chickpea	Dr. P.K. Jain	-
48.	2017	Alka Bharati	Expression analysis of TaDof1 gene under Nitrogen deprived condition in contrasting wheat genotypes	Dr. Pranab Kumar Mandal	-
49.	2017	Sharani Choudhury	Allele mining of Panicle Blast 1 (Pb1) gene in Indian rice accessions	Dr. Amol Solanke	-
50.	2017	Sreeshma, N.	Allele mining for DREB2A gene associated with drought tolerance in Indian rice collections	Dr. S.V.A.C.R. Mithra	-
51.	2017	Jyotsana Tilgam	Combinatorial silencing of <i>acetylcholine esterase</i> and <i>20-Hydroxyecdysone receptor</i> genes for gram pod borer (<i>Helicoverpa armigera</i>) resistance	Dr. Debais Pattanayak	-
52.		Awakale Pramod Atmaram	Cloning and expression analysis of BREVIS RADIX (BRX) gene from diploid species of wheat exhibiting better root traits under osmotic stress	Dr. Monika Dalal	-

S. No.	Year	Name of Student	Thesis Title	Chairperson	Award
Ph.D. Students					
1.	2007	Dipnarayan Saha	Molecular characterization of lateral organ junction (LOJ) gene and its promoter in <i>Arabidopsis thaliana</i>	Dr. Srinivasan	Jawaharlal Nehru Award - ICAR
2.	2007	Rakesh Singh	Fine mapping of genes for aroma and grain dimensions in basmati rice (<i>Oryza sativa</i> L.)	Dr. Aqbal Singh	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award
3.	2007	B.K. Singh	Molecular assisted development of NILs for seed storage proteins in wheat and cloning of gene(s) for wheat Triticins	Dr. N.K. Singh	-
4.	2008	Sujatha, T.P.	Molecular characterization of cryptic root- specific promoter (CRS) isolated from <i>Arabidopsis thaliana</i>	Dr. Srinivasan	-
5.	2008	Lakshmi, K.	Genetic transformation of wheat (<i>Triticum aestivum</i> L.) for abiotic stress tolerance	Dr. K.C. Bansal	-
6.	2008	Alok Das	Molecular and functional analysis of Pi-k ^h allele isolated from blast resistant wild species of rice	Dr. T.R. Sharma	-
7.	2009	Anuradha, C.	Protein Engineering of δ -endotoxin by Domain shuffling	Dr. P.A. Kumar	-
8.	2009	Thavachelvam, K.	Genetic and molecular characterization of competence in cicer <i>Rhizobium</i>	Dr. Aqbal Singh	-
9.	2009	Pankaj Kumar	Molecular analysis of different alloplasmic CMS lines of <i>B. juncea</i> restored by a common restorer	Dr. S.R. Bhat	-
10.	2009	Anshuman	Isolation and Characterization of lectin, Proteinase and α amylase inhibitor genes From Mungbean [<i>Vigna radiata</i> (L) R. Wilczek.]	Dr. K.R. Koundal	-
11.	2009	Sangram K. Lenka	Characterization of abiotic stress responsive Cis-elements and transcription factor genes from Rice <i>Oryza sativa</i> L.)	Dr. K.C. Bansal	-
12.	2009	Raghavendra K.P.	Transcriptome analysis of cotton (<i>Gossypium hirsutum</i> L.) during boll development	Dr. P.A. Kumar	IARI Gold Medal
13.	2010	Jawahar Lal Katara	Molecular typing of native <i>Bacillus thuringiensis</i> (Bt) isolates from diverse habitats in India and isolation and characterization of cry2-type gene from these isolates	Dr. N.K. Singh	-
14.	2010	Jagadeesh M.	Isolation and characterization of protease inhibitor gene and promoter from black gram (<i>Vigna mungo</i> L.) and its genetic transformation in tobacco	Dr. K.R. Koundal	-
15.	2011	Giriraj Kumawat	Molecular mapping of genes for traits involved in Plant Architecture and Earliness in Pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.)	Dr. N.K. Singh	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award
16.	2011	Navin Chandra Gupta	Cloning and characterization of a wound- responsive regulatory element from <i>Arabidopsis thaliana</i>	Dr. Srinivasan	-
17.	2012	Dinabandhu Behera	Computational and expression analysis of Anthocyanin biosynthesis genes in tomato (<i>Solanum lycopersicum</i> L.)	Dr. T.R. Sharma	-
18.	2012	N. Umakanta	Cloning and characterization of a major locus for grain size variation in rice (<i>Oryza sativa</i> L.)	Dr. Srinivasan	-
19.	2013	Joshitha Vijayan	Cloning and functional validation of pathogen-responsive promoter from Rice	Dr. T.R. Sharma	-
20.	2013	Ali Salari	Genetic Transformation of wheat (<i>Triticum aestivum</i> L.) for Enhanced Thermotolerance	Dr. K.C. Bansal	-
21.	2013	Israr Ahmad	Transcriptome proteome study of bringal (<i>Solanum melongena</i> L.) during fruit development	Dr. T.R. Sharma	-
22.	2015	Devanna	Cloning and functional analysis of rice blast resistance gene from <i>Oryza officinalis</i>	Dr. T.R. Sharma	IARI Gold Medal & Jawahar Lal Nehru Award
23.	2015	N.M.C. Nayanakantha	Analysis of defense gene induction in <i>Brassica juncea</i> , <i>Sinapsis alba</i> and <i>Camelina sativa</i> in response to <i>Alternaria brassicae</i> challenge and treatments with salicylic and jasmonic acids	Dr. Anita Grover	-
24.	2015	Neetu Singh Kushwah	Activation tagging in <i>Arabidopsis thaliana</i> for discovery of genes of agronomic importance	Dr. S.R. Bhat	-
25.	2015	Vinod Kumar	Genetic Engineering of Rice for Improved Tolerance to Abiotic Stresses	Dr. K.C. Bansal	-
26.	2015	Viswanathan Satheesh	Cloning and characterization of wound-responsive gene(s)/Promoter(s) from <i>Arabidopsis thaliana</i>	Dr. Srinivasan	-
27.	2015	Rajiv Kumar Singh	The studies of functional genomics of finger millet (<i>Eleusine coracana</i> (L.) Gaertn.)	Dr. T.R. Sharma	-
28.	2016	Soham Ray	Functional characterization and validation of AvbrPi54 gene cloned from <i>Magnaporthe oryzae</i>	Dr. T.R. Sharma	-
29.	2016	Rama Prashat	Molecular characterization and FISH mapping of major repetitive DNA in pigeonpea (<i>Cajanus cajan</i> L. Millsp.)	Dr. N.K. Singh	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award
30.	2016	Chandrashekar, N	Isolation and molecular characterization of PR gene pathogen-inducible promoter from <i>Arabidopsis thaliana</i> in response to <i>Alternaria</i>	Dr. Anita Grover	-
31.	2016	Deepak Singh Bisht	Towards mapping and cloning of male fertility restorer gene of CMS) <i>Moricaandia arvensis</i>) <i>Brassica juncea</i>	Dr. S.R. Bhat	-
32.	2016	Siddanna Savadi	Effect of altered expression of key genes involved in fatty acid biosynthesis and seed development on productivity of Indian mustard (<i>Brassica juncea</i>)	Dr. S.R. Bhat	-
33.	2016	Nimmy M.S.	Isolation and characterization of salt inducible gene(s)/promoter(s) from chickpea.	Dr. R. Srinivasan	-
34.	2016	Deepika Singh	Allele mining for salt tolerance genes in landraces and improved varieties of rice (<i>Oryza sativa</i> L.)	Dr. N.K. Singh	-
35.	2017	Bhupendra Singh Panwar	Isolation of cry gene(s) from <i>Bacillus thuringiensis</i> (Bt) isolates recovered from diverse habitats in India for the control of Lepidopteran Insect pest.	Dr. Sarvjeet Kaur	-
36.	2017	C. Revathy	Cloning and characterization of phytochrome genes in chickpea	Dr. S.R. Bhat	-
37.	2017	Anshul Watts	Cloning and characterization of CENH3 in Brassicaceal towards generation of haploid inducer line in (<i>Brassica juncea</i>)	Dr. S.R. Bhat	-
38.	2017	Parmeshwaran	Cloning and characterization of heat stress responsive genes from chickpea (<i>Cicer arietinum</i> L.)	Dr. P.K. Jain	-
39.	2017	Chandra Prakash	Identification and molecular mapping of moisture deficit stress responsive genes in rice (<i>Oryza sativa</i> L.)	Dr. N.K. Singh	-
40.	2017	Senthil K.M.	Gene discovery and Allele mining for thermotolerance in wheat using transcription analysis	Dr. K.C. Bansal	-
41.	2017	Shanmugavadivel P.S.	Molecular mapping of heat responsive genes in rice (<i>Oryza sativa</i>)	Dr. N.K. Singh	-
42.	2017	Shanmugavadivel P.S.	Molecular mapping of heat responsive genes in rice (<i>Oryza sativa</i>)	Dr. N.K. Singh	-
43.	2017	Suman Lata	Characterization of genes/promoters of nuclear encoded mitochondrial small ribosomal subunit proteins in <i>Arabidopsis thaliana</i>	Dr. Kishor Gaikwad	-
44.	2017	Archana Kumari	Isolation of sheath specific and <i>Rhizoctonia solani</i> responsive promoter from rice	Dr. T.R. Sharma	-



Foreign Students Awarded Degree

Sl. No.	Year	Name of Foreign Student	Thesis Title	Chairperson	Country
M.Sc. Students					
1.	2008	Mohammad Reza Salahi	Marker assisted selection for multiple bacterial blight resistance genes in Basmati rice	Dr. T. Mohapatra	Iran
2.	2009	Momena Khandaker	Cloning of <i>Cadherin</i> Gene fragment from <i>Helicoverpa armigera</i>	Dr. P.A. Kumar	Bangladesh
3.	2010	Nguyen Thanh Thuy	Development of drought responsive expressed sequence tag (EST) library in <i>Prosopis cineraria</i> (L.) Druce	Dr. J.C. Padaria	Vietnam
4.	2010	Pham Hong Diep	Development of drought responsive expressed sequence tag (EST) library in <i>Prosopis cineraria</i> (L.) Druce	Dr. J.C. Padaria	Tien Giang Province
5.	2014	Duong Van Hay	Cloning and transformation of mustard (<i>Brassica juncea</i> L.) with At-DWARF4	Dr. P.K. Dash	-
Ph.D. Students					
1.	2009	Ali Salari	Genetic Transformation of wheat (<i>Triticum aestivum</i> L.) for Enhanced Thermotolerance	Dr. K.C. Bansal	Iran
2.	2010	N.M.C. Nayanakantha	Analysis of defense gene induction in <i>Brassica juncea</i> , <i>Sinapsis alba</i> and <i>Camelina sativa</i> in response to <i>Alternaria brassicae</i> challenge and treatments with salicylic and jasmonic acids	Dr. Anita Grover	Sri Lanka

Training/Winter/Summer School/Workshop Organized

S. No.	Year	Name of the Training	No. of Trainees	Name(s) of the course director and co-ordinator
1.	2010	ICAR Winter School on "Molecular" Molecular Techniques in Gene Isolation and Characterization"	25	-
2.	2012	ICAR sponsored Winter School on 'Biotechnological approaches for adaptation to climate change'	21	-
3.	2013	ICAR sponsored Winter School on 'Frontier technology in the area of Biotechnology on gene isolation, characterization and breeding with reference to abiotic stress related genes'	19	Dr. Kishor Gaikwad and Dr. P.K. Jain
4.	2014	Model Training Course on 'Transgenic Technology for adaptation to Climate Change' Sponsored by Directorate of Extension, Ministry of Agriculture, Government of India	18	Dr. Jasdeep C. Padaria
5.	2015	Workshop on RNAi in Crop Improvement	-	-



S. No.	Year	Name of the Training	No. of Trainees	Name(s) of the course director and co-ordinator
6.	2015	ICAR sponsored Winter School on “RNA-interference as a tool for plant functional genomics and crop improvement	21	Dr. B.L. Patil and Dr. Rohini Sreevathsa
7.	2016	ICAR sponsored Winter School on “Marker free transgenics and methods of transgene detection”	20	Dr. P.K. Das
8.	2016	ICAR sponsored Winter School on “Genomics and Phenomics for Enhancement of Crop Nutrient Use Efficiency”	21	Dr. P.K. Mandal Dr. Subodh Kumar Sinha

Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. T.R. Sharma	Attended Training Programme on LMO Detection and Risk Assessment	June 17-22, 2007	Japan
2.	2007	Dr. P.K. Dash	Training on Crop Biotechnology including Molecular Mapping – broad area “Life Science”	July 18, 2007 to July 17, 2008	USA
3.	2007	Dr. P. Ananda Kumar	Workshop titled “Food Safety Assessment on GM Crops to support Environmental Release and Commercialization”	December 5-8, 2007	Vietnam
4.	2008	Dr. T.R. Sharma	Training	March 3-9, 2008	Philippines
5.	2008	Dr. T.R. Sharma	Tomato Genome workshop	April 24-25, 2008	Netherlands
6.	2008	Dr. K.C. Bansal	Short term training program on Biosafety of transgenic crops	August 2-14, 2008	USA
7.	2009	Dr. Kishor Gaikwad	DBT Overseas Associateship	January 9, 2009	USA
8.	2009	Dr. K.R. Koundal	Attended Indo-US Collaboration Short-term course under USTDA project on ‘Risk Assessment of GMOs’	October 25-30, 09	USA
9.	2010	Dr. S.R. Bhat	Training on confocal microscopy at Leica factory	September 19-25, 2010	Germany
10.	2010	Dr. T.R. Sharma	Participated in Workshop on Data Management in Plant Breeding	May 31 to June 4, 2010	Spain
11.	2014	Dr. N.K. Singh	Attended IWGSC workshop meeting on at San	11-15 January 2014	Diego, USA
12.	2014	Dr. N.K. Singh	Attended “Physical Mapping & Sample sequencing of wheat Chromosome 2A-International Wheat Genome Sequencing Consortium (India)”	16-20 January, 2014	CIMMYT, Mexico



Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2007	Dr. K.C. Bansal	Member, High Power Committee, International Division	Department of Science and Technology Government of India
2.	2007	Dr. N.K. Singh	Elected Fellow of the National Academy of Agricultural Sciences	NAAS
3.	2007	Dr. T. Mohapatra	Elected Fellow of the National Academy of Agricultural Sciences, New Delhi	NAAS
4.	2007	Dr. T. Mohapatra	Elected Fellow of the National Academy of Sciences Allahabad	NAAS, Allahabad
5.	2007	Dr. T.R. Sharma	Elected Fellow of National Academy of Sciences (NAAS)	NAAS
6.	2007	Dr. R.C. Bhattacharya	Lal Bahadur Shastri Young Scientist Award for the biennium 2003-2004 awarded by ICAR	ICAR
7.	2007	Dr. Prasanta Dash	Awarded BOYSCAST Fellowship	Department of Science and Technology, Government of India
8.	2007	Dr. K.C. Bansal	Fellow, National Academy of Agricultural Sciences	NAAS
9.	2007	Dr. T. Mohapatra	NASI-Reliance Industries Plantinum Jubilee Award	NAAS, Allahabad
10.	2008	Dr. T. R. Sharma	National Bioscience Award for Career Development	DBT
11.	2008	Dr. Kishor Gaikwad	DBT Overseas Associateship	DBT
12.	2008	Dr. N.K. Singh	Dr. Rafi Ahmad Kidwai Award ICAR	ICAR
13.	2009	Dr. K.C. Bansal	Hari Krishna Shastri Award	IARI
14.	2009	Dr. K.C. Bansal	Rafi Ahmad Kidwai Award	ICAR
15.	2009	Dr. T.R. Sharma	Recognition Conferred Most Admired Researcher 2008 Award	NAAS
16.	2008	Dr. T. Mohapatra	Special Recognition Award	-
17.	2009	Dr. Rekha Kansal	Best Poster Award	-
18.	2009	Dr. K.C. Bansal	Hari Krishna Shastri Award	IARI
19.	2009	Dr. Sharmistha Barthakur	Best Poster Award at 96th Indian Science Congress	Indian Science Congress
20.	2010	Prof. N.K. Singh	Dr. B. P. Pal Chair	ICAR
21.	2010	Dr. Amolkumar U. Solanke	Jawaharlal Nehru Award	ICAR
22.	2010	Dr. K.C. Bansal	Dr. Rafi Ahmad Kidwai Award	ICAR



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
23.	2011	Dr. T.R. Sharma	Rafi Ahmad Kidwai Award	ICAR
24.	2012	Dr. P. Ananda Kumar	Elected as Fellow, National Academy of Sciences, India	NAAS
25.	-	Dr. Sharmistha Barthakur	Commonwealth Academic Staff Fellowship of United Kingdom	-
26.	2012	Dr. T.R. Sharma	Elected as Fellow, Indian National Science Academy, New Delhi	Indian National Science Academy, New Delhi
27.	2012	Dr. B.L. Patil	Received best Oral presentation award on Transgenic RNAi derived field resistance to cassava brown streak viruses at XXI National Virology Conference held at IVRI, Mukteswar	-
28.	2012	Dr. Monika Dalal	The Best Poster Awards in 38th Annual research student's conference held at Eastern New Mexico University	-
29.	2012	Dr. Jasdeep C. Padaria	Won the Best Poster Award in International Conference in Biotechnology at New Delhi	-
30.	2012	Dr. T. R. Sharma	Awarded J. C. Bose National Fellowship by DST, GOI	DST
31.	2012	Dr. T.R. Sharma	Awarded J. C. Bose National Fellowship by DST, GOI	DST
32.	2013	Dr. T.R. Sharma	Awarded NASI Reliance Platinum Jubilee Award 2013 for Application oriented research in Biological Sciences	-
33.		Dr. P.K. Mandal	Awarded the Fellowship of the Indian Society of Agricultural Biochemists	-
34.	2013	Dr. Kanika	Received second best paper award in National Conference held at Bhopal	-
35.		Dr. Kanika	Fellow Society of Applied Biotechnology, India	-
36.	2013	Dr. Amolkumar U. Solanke	C. V. Jacob Award (2013) from Society for Biotechnologists (India), Cochin for best original research paper presentation in Plant biotechnology	-
37.	2014	Dr. Kanika	Invited as a panelist at the Plant Genomics Congress Asia, held on February 24-25, 2014 at Kuala Lumpur, Malaysia	-
38.	2014	Dr. N.K. Singh	ICAR Norman Borlaug Award	ICAR
39.	2014	Dr. N.K. Singh	Dr. K. Ramiah Memorial Award	ICAR
40.	2015	Dr. T.R. Sharma	Nominated to the Board of Directors, Biotech Consortium India Ltd., New Delhi	-



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
41.	2014	Dr. Basavaprabhu L. Patil	IVS Fellow Award from Indian Biological Society	-
42.	2014	Dr. J.C. Padaria	Awarded with Rashtriya Gaurav Award from IIFS	IIFS
43.	2014	Dr. Subodh Kumar Sinha	Best Oral Presentation Award (International Conference on Life Sciences, Informatics, Food and Environment. Organized by JIIT, Noida, 29-30 August, 2014)	-
44.	2014	Dr. Vandana Rai	Received distinguished Scientist Award at DRR, Hyderabad	-
45.	2015	Dr. Rohini Sreevathsa	Awarded the "Excellence Award in Genetic Engineering" by society of Applied Biotechnology	-
46.	2015	Dr. Amolkumar U., Solanke	Received "Eminent Plant Biotechnologist Award from Society for Applied Biotechnology, Krishnagiri, Tamil Nadu	-
47.	2015	Prof. N.K. Singh	National Professor, BP Pal Chair, was conferred ICAR-Norman Borlang Award	ICAR
48.	2015	Dr. T.R. Sharma	Nominated as Chief Editor, Journal of Plant Biochemistry and Biotechnology, January 2009 till date; Sectional Editor (Biological Sciences), Current Science; Editor, Indian Journal of Agricultural Sciences	-
49.	2015	Dr. T.R. Sharma	Nominated to the Board of Directors, Biotech Consortium India Ltd. New Delhi; and Member, Academic Council, University of Horticulture and Forestry, Nauni, Solan (HP)	-
50.	2015	Dr. Rekha Kansal	Received Best Paper Award by the Committee of TJPRC Journals in recognition for research paper quality, originality and significance in modelling and technical flow for the paper "Use of <i>Vigna radiate</i> Lectin Gene in Development of Transgenic <i>Brassica juncea</i> Resistant to Aphids"	-
51.	2015	Dr. Sharmistha Barthakur	Elected as Councilor North Zone 2015-2017, Indian Society of Agricultural Sciences, New Delhi	-
52.	2016	Dr. Rohini Sreevathsa	Elected the member of National Academy of Sciences, India	NASI
53.	2016	Dr. Amolkumar U. Solanke	Received Fellow Award from 'Society for Applied Biotechnology', Krishnagiri, Tamil Nadu in recognition of outstanding achievements and contributions to the field of plant biotechnology	-



Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2007	Dr. K.C. Bansal	International Rapeseed Congress R. P.	March 25-30, 2007	China
2.	2007	Dr. K.C. Bansal	Attended 5th International symposium of R Rice Functional Genomics	October 14-18, 2007	Japan
3.	2008	Dr. P.A. Kumar	Expert consultation in Agricultural Biotechnology for promoting food Security in developing countries	August 19-23, 2008	Malaysia
4.	2008	Dr. N.K. Singh	Attended GCP Annual Research Meeting	September, 2008	Bangkok
5.	2009	Dr. N.K. Singh	Attended GCP Project formulation Meeting	March, 2009	France
6.	2009	Dr. K.C. Bansal	Participated in the Indo-French Meeting on Plant Genomics, Transgenics and Biotechnologies	March 16-19, 2009	France
7.	2009	Prof. N.K. Singh	Attended 6th Rice Genetic Symposium and Rice Annotation Workshop	November 15-19, 2009	Philippines
8.	2009	Dr. T.R. Sharma	Attended 6th Rice Genetic Symposium and Rice Annotation Workshop	November 15-19, 2009	Philippines
9.	2009	Dr. T. Mohapatra	Attended meeting of Institute of Reference Materials and Management	September 21-23, 2009	Belgium
10.	2009	Dr. S.R. Bhat	Attended Asian chapter meeting of the International Society for Biological and Environmental Repositories	September 21-24, 2009	Seoul
11.	2010	Dr. P.A. Kumar	Attended the International Cotton Genome Conference	September 20-23, 2010	Australia
12.	2013	Dr. T.R. Sharma	Visited University of Queensland	January 28 to Feb. 24, 2013	Australia
13.	2012	Dr. Jasdeep C. Padaria	Visited Purdue University	August to Nov., 2012	USA
14.	2012	Dr. S. Barthakur	Visited John Innes Centre	October to December, 2012	Norwich, United Kingdom
15.	2013	Dr. N.K. Singh	Participated the 7th International Rice Genetics Symposium	November 5-7, 2013	Philippines
16.	2014	Dr. Rhitu Rai	Visited USA to participate in the Plant & Animal Genome (PAG) XXII Conference	January 11-15, 2014	San Diego, California, USA.
17.	2014	Dr. Monika Dalal	CIMMYT HeDWIC launch conference	December 2-4, 2014	Germany



List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Bhat, S.R. Kumar, P. and Prakash, S.	2007	An improved cytoplasmic malesterile (<i>Diplotaxis berthautii</i>) <i>Brassica juncea</i> : identification of restorer and molecular characterization	<i>Euphytica</i> 159: 145-152	7.39	23
2.	Chen, Z.J., Kumar, P.A. and Paterson, A.H.	2007	Towards sequencing cotton (<i>Gossypium</i>) genomes	<i>Plant Physiology</i> 145: 1303-1310	12.84	171
3.	Dikshit, H.K., T. Jhang, N.K. Singh, K.R. Koundal, K.C. Bansal, N. Chandra, J.L. Tickoo and T.R. Sharma	2007	Genetic differentiation of <i>Vigna</i> species by RAPD, URP and SSR markers	<i>Biooigia Plantarum</i> 451: 457	7.85	68
4.	Gautam U.S., Jajoo A., Singh A. and Das S.K.	2007	Characterization of rpoN mutants of <i>Mesorhizobium ciceri</i>	<i>Journal of Applied Microbiology</i> 102: 945-953	8.48	4
5.	Guleria, S., R. Aggarwal, T.S. Thind and T.R. Sharma	2007	Morphological and pathological variability in rice isolates of <i>Rhizoctonia solani</i> and molecular analysis of their genetic variability	<i>Journal of Phytopathology</i> 155: 654-661	6.82	40
6.	Jaiswal R., Nain V., Abdin M.Z. and Kumar P.A.	2007	Isolation of pigeon pea legume gene promoter and identification of conserved regulatory elements using tools of bioinformatics	<i>Indian Journal of Biotechnology</i> 6: 495-503	6.39	7
7.	Katageri, I.S. Vamadevaiah, H. M., Udikeri, S.S., Khadi B.M. and Kumar, P.A.	2007	Genetic transformation of an elite Indian genotype of cotton (<i>Gossypium hirsutum</i>)	<i>Current Science</i> 93: 1843-1847	6.93	41
8.	Kolluru R., Rao A.R., Prabhakaran V.T., Selvi A. and Mohapatra T.	2007	Comparative evaluation of clustering techniques for establishing AFLP based genetic relationship among sugarcane cultivars	<i>Journal of Indian Society of Agricultural Statistics</i> 61: 51-65	5.50	4
9.	Pearce G., Siems W.M., Bhattacharya R.C., Chen Y.C. and Ryan C.A.	2007	Three <i>Hydroxyproline</i> rich <i>glycopeptides</i> derived from a single petunia polyprotein precursor activate defensin 1 of the innate immune response	<i>J. Biol. Chem.</i> June 15; 282 (24): 17777-17784. IF/5-yr IF: 4.65/5.02	10.57	52



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
10.	Mondal K.K., Bhattacharya R.C.*, Koundal K.R. and Chatterjee S.C.	2007	Transgenic Indian mustard (<i>Brassica juncea</i>) expressing tomato glucanase leads to arrested growth of <i>Alternaria brassicae</i>	<i>Plant Cell Report</i> 26(2): 247-252	9.07	43
11.	Kumar, M., Kumar, M., Kansal, Rekha; Srivastava, P.S. and Koundal K.R.	2007	Effect of indigenous legumes protease inhibitor proteins on <i>Helicoverpa armigera</i>	<i>Progressives Agriculture</i> 7(1,2): 56-59	-	2
12.	Kumar, S.P., V. Dalal, N.K. Singh and T.R. Sharma	2007	Comparative Analysis of the 100 kb Region Containing the Pi-kh Locus between indica and japonica Rice Lines	<i>Genomic, Proteomics and Bioinformatics</i> 5: 35-44	5.15	10
13.	Pathania, A. Rajesh Kumar, Dinesh Kumar, V., Ashutosh, Dwivedi, K.K., Kirti, P.B., Prakash, S., Chopra, V.L. and Bhat, S.R.	2007	A duplicated coxI gene is associated with cytoplasmic male sterility in an alloplasmic <i>Brassica juncea</i> line derived from somatic hybridization with <i>Diplotaxis Catholica</i>	<i>Journal of Genetics</i> 86: 93-101	6.19	4
14.	Rao L.S., Usharani P., Deshmukh P.S., Kumar P.A. and Panguluri S.K.	2007	RAPD and ISSR fingerprinting in cultivated chickpea and its wild progenitor <i>Cicer reticulatum</i>	<i>Genetic Resources and Crop Evolution</i> 54: 1235-1244	7.46	51
15.	Saha, D., Prasad, A.M., Sujatha, T.P., Kumar, V., Jain, P.K., Bhat, S.R. and Srinivasan, R.	2007	In silico analysis of the Lateral Organ Junction (loj) gene and promoter of <i>Arabidopsis thaliana</i>	<i>In Silico Biology</i> 7: 7-19	-	10
16.	Saha, D., Prasad, A.M. Srinivasan, R.	2007	Pentatricopeptide repeat proteins and their emerging roles in plants	<i>Plant Physiology and Biochemistry</i> 45: 521-534	8.76	113
17.	Singh N.K., Dalal V., Batra K., Singh B.K., Chitra G., Singh A., Ghazi I.A., Yadav M., Pandit A., Dixit R., Singh P.K., Singh H., Koundal K.R., Gaikwad K., Mohapatra T. and Sharma T.R.	2007	Single copy genes define a conserved order between rice and wheat for understanding the differences caused by duplication, deletion and transposition of genes.	<i>Functional and Integrative Genomics</i> 7: 17-35	8.48	52
18.	Singh R.K., Singh A.K., Sharma T.R., Singh A. and Singh N.K.	2007	Fine mapping of aroma QTLs in basmati rice (<i>Oryza sativa</i>) in chromosome 3, 4 and 8	<i>Journal of Plant Biochemistry and Biotechnology</i> 16: 75-82	7.09	11



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
19.	Verma V.K., Behera T.K., Munshi A.D., Parida S.K. and Mohapatra T.	2007	Genetic diversity of ash gourd inbred lines based on RAPD and ISSR markers and their hybrid performance	<i>Scientia Horticulture</i> 113: 231-237	7.37	40
20.	Singh N.K. and Mohapatra T.	2007	Application of genomics for molecular breeding in rice. In: Genomics Assisted Crop Improvement Vol. II – Genomics Applications in Crops (RK Varshney and R Tuberosa, Eds)	<i>Springer</i> pp.169-185	-	3
21.	Srinivasan R.	2007	Basic Enzymology	<i>Textbook of Biotechnol. (Ed. H.K. Das) 3rd edition, WILEY-Dream Tech. India Pvt. Ltd, New Delhi 169-206</i>	-	0
22.	Kaur S.	2007	Deployment of Bt transgenic crops: development of resistance and management strategies in the Indian scenario	<i>Bio Pesticides International</i> 3(1): 23-42	4.35	4
23.	Nazmul H. Bhuiyan, Akira Hamada, Nana Yamada, Vandana Rai, Takashi Hibino and Teruhiro Takabe	2007	Regulation of betaine synthesis by precursor supply and choline mono-oxygenase expression in <i>Amaranthus tricolor</i>	<i>J. Exp. Bot.</i> 58(15/16): 4203–4212	11.53	36
24.	Rhithu Rai, Prasanta Dash, B.M. Prasanna and Aqbal Singh	2007	Endophytic bacterial flora in the stem tissue of a tropical maize (<i>Zea mays</i> L.) genotype: isolation, identification and enumeration	<i>World J. Microbiol. and Biotechnol.</i> 23: 853-858	7.78	30
25.	K. Kishore, S.K. Sinha, R. Kumar, N.C. Gupta, N. Dubey and A. Sachdeva	2007	Isolation and Characterization of omega-6-desaturase gene (fad 2-1) from soybean	<i>Ind. J. Exp. Biology</i> 45: 390-397	6.84	3
26.	R. Kumar, K. Kishore, S.K. Sinha, N.C. Gupta, N. Dubey and A. Sachdev	2007	Isolation and characterization of fad2-1 cDNA sequence from <i>Glycine max</i> L.	<i>Indian Journal of Plant Physiology</i> 12(1): 6-12	4.66	1
27.	Padaria J.C., Srivastav S. and Singh A.	2008	Isolation of a bacterial isolate of <i>Bacillus pumillus</i> as an antagonistic to causal agent of sheath blight of rice	<i>Journal of Ecofriendly Agriculture</i> 3: 56-61	3.10	3



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
28.	Sharma R.K., Gupta P., Sharma V., Sood A., Mohapatra T. and Ahuja P.S.	2008	Evaluation of rice and sugarcane SSR markers for phylogenetic and genetic diversity analyses in bamboo	<i>Genome</i> 51: 91-103	-	59
29.	Singh R.K., Raipuria R.K., Bhatia V.S., Rani A., Pushpendra, Husain S.M., Chauhan D., Chauhan G.S. and Mohapatra T.	2008	SSR markers associated with seed longevity in soybean	<i>Seed Science and Technology</i> 36: 162-167	6.48	10
30.	Siva Raju K., Madhav M.S., Sharma R.K., Murthy T.G.K., Singh N.K., Bansal K.C., Koundal K.R. and Mohapatra T.	2008	Molecular diversity in Indian tobacco types as revealed by randomly amplified DNA polymorphism	<i>Journal of Plant Biochemistry and Biotechnology</i> 17: 51-56	7.09	1
31.	Alizadeh, M., S.K. Singh, Tripta Jhang and T.R. Sharma	2008	<i>In vitro</i> Simple Sequence Repeat analysis to Genetic Stability of Micro propagated plantlets in three Grape (<i>Vitis</i> spp) Root stock Genotypes	<i>J. Plant Biochem. and Biotech.</i> 17: 77-80	7.09	0
32.	Bhattacharya, R.B., Singh A. and Mukhopadhyay S.N.	2008	Use of nitrogen fixing bacteria as bio fertilizer for non-legumes prospects and challenges	<i>Appl. Mic. Biotechnol.</i> 180:199-209	9.34	145
33.	Kansal, Rekha; Kuhar Kalika, Gupta Ram N., Gupta Vijay K. and Koundal, K.R.	2008	Screening of indigenous legumes for tryps in inhibitor protein activity	<i>Ind. J. Agri. Biochem.</i> 21: 54-56	4.03	2
34.	Kansal, Rekham Kuhar, Kalika, Gupta, Ram N, Gupta, Vijay K. and Koundal, K.R.	2008	Purification, characterization and evaluation of insecticidal potential of tryps in Inhibitor from mungbean (<i>Vigna radiata</i> L. Wilczek) seeds	<i>Acta. Physiol. Plant</i> 30:761-768	7.48	21
35.	Kansal, Rekha, Kuhar, Kalika, Verma, Isha, Gupta, Ram N., Gupta, Vijay K. and Koundal, K.R.	2008	Improved and convenient method of RNA isolation from polyphenols and poly saccharide rich plant tissues	<i>Ind. J. Exptl. Biol.</i> 47: 842-845	6.84	18
36.	Mohapatra K.P., Sehgal R.N., Sharma R.K. and Mohapatra T.	2008	Evaluation of genetic variation in west Himalayan yew and its associates using RAPD and AFLP markers	<i>J. Plant Biochem. Biotech.</i> 17:161-165	7.09	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
37.	Nain V., Verma A., Kumar N., Sharma P., Ramesh B. and Kumar P.A.	2008	Cloning of an ovule specific promoter from <i>Arabidopsis thaliana</i> and expression of β -glucuronidase	<i>Indian Journal of Biotechnology</i> 46: 207-211	6.39	9
38.	Padaria, J.C. and Singh, A.	2008	Methanotrophs for reduction in global warming and biofuel production	<i>Advanced Biotech.</i> Vol VII (5): 47	-	0
39.	Pearce, G., Bhattacharya, R.C. and Chen, Y.C.	2008	Peptide signals for plant defense display a more universal role	<i>Plant Signaling and Behavior</i> 3(12): 1091-1092	-	12
40.	Saraswaty N., Nain V., Sushmita K. and Kumar P.A.	2008	A fusion gene encoding two different insecticidal proteins of <i>Bacillus thuringiensis</i>	<i>Indian Journal of Biotechnology</i> 7: 204-209	6.39	2
41.	Sharma, K.D., R. Rathour R. Sharma, S. Goel, T.R. Sharma and B.M. Singh	2008	<i>In vitro</i> cormlet development in <i>Crocus sativus</i>	<i>Biologia Plantarum</i> 52 709-712	7.85	2
42.	Singh R.K., Raipuria R.K., Bhatia V.S., Rani A., Pushpendra, Husain S.M., Satyavathi C.T., Chauhan G.S. and Mohapatra T.	2008	Identification of SSR markers associated with seed coat permeability and electrolyte leaching in soybean	<i>Mol. Biol. Plants</i> 14: 173-177	4.63	27
43.	Singh R.K., Srivastava S., Singh S.P., Mohapatra T., Singh N.K. and Singh S.B.	2008	Identification of new microsatellite DNA markers for sugar and related traits in sugarcane	<i>Sugar Tech.</i> 10: 327-333	6.58	2
44.	Sivaraju K., Madhav M.S., Murthy T.G.K., and Mohapatra T.	2008	Genetic polymorphism in Indian tobacco types as revealed by amplified fragment length polymorphism	<i>Curr. Sci.</i> 94: 633-639	6.93	21
45.	Verma A., Nain, V., Kumari, C., Singh, S.K. and Kumar P.A.	2008	Tissue specific response of <i>Agrobacterium tumefaciens</i> attachment to <i>Sorghum bicolor</i> (L.) Moench	<i>Physiology and Molecular Biology of Plants</i> 14: 307-313	4.63	14
46.	Kumar P.A.	2008	Genetic transformation of plants by gene targeting. In: Agriculture for Food Security and Rural Growth, Ed. V. Dhawan	<i>The Energy Research Institute</i> 267-294	-	6



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47.	Rajam, M.V. Prabhavati V., Rotino G.L., D. Sihachakr D., Mansur E. and Kumar, P.A.	2008	Eggplant. In: Kole C, Hall TC (eds). "Compendium of Transgenic Crop Plants: Transgenic Vegetable Crops"	<i>Blackwell Publishing, Oxford, UK</i> 47-72	-	0
48.	Jasdeep Chatrath Padaria, S. Srivastav and Aqbal Singh	2008	Isolation of a bacterial isolate of <i>Bacillus pumillus</i> as an antagonistic to casual agent of sheath blight of rice	<i>Journal of Ecofriendly Agriculture</i> 3(1): 56-61	3.10	1
49.	R.N. Padaria, Baldeo Singh, J.C. Padaria, M.S. Meena and Pankaj	2008	Farmer participatory assessment of Bt. cotton and its socio-economic implications	<i>Indian Journal of Extension Education</i> <i>Indian Journal of Extension Education</i> 44: 1-2, 25-31	3.26	3
50.	Jayanthi. M., Mandal P.K., Sujatha G., Jaya Sri K.S., Srinivasa Rao G., Sunitha B. and Kochu Babu M.	2008	Simple sequence repeats and RAPD primers for assessment of genetic uniformity among the field planted clones of oil palm	<i>Journal of Plantation Crops</i> 36(3): 235-238	3.06	0
51.	Solanke A.U. and Sharma A.K.	2008	Signal transduction during cold stress in plants	<i>Physiology and Molecul. Biology of Plants</i> 14: 69-79	4.63	0
52.	Jyothi lakshmi V., Singh A., Gaikwad K., Vinod, Singh N.K. and S.M.S. Tomar	2008	RNA Editing in CMS wheat: Influence of nuclear background leads to differential editing of orf 256	<i>Indian Journal of Genetics and Plant Breeding</i> 68(4): 353-359	6.19	53
53.	Keshamma E., Rohini Sreevathsa, Manoj Kumar A., Ananda Kumar, Kumar A.R.V., Madhusudhan B. and Udaya Kumar M.	2008	A chimeric <i>cryIX</i> gene imparts resistance to <i>Spodoptera litura</i> (Fabricus) and <i>Helicoverpa armigera</i> (Hubner) in transgenic groundnut	<i>Eurasian Journal of Biosciences</i> 2: 53-65	8.06	0
54.	Keshamma E, Rohini Sreevathsa, Sankara Rao K., Madhusudhan B. and Udaya Kumar M.	2008	Tissue culture-independent in planta transformation strategy: an <i>Agrobacterium tumefaciens</i> -mediated gene transfer method to overcome recalcitrance in cotton (<i>Gossypium hirsutum</i> L.)	<i>Journal of Cotton Science</i> 12: 264-272	-	6
55.	Sankara Rao K., Rohini Sreevathsa, Pinakee D. Sharma, Keshamma E. and Udayakumar M.	2008	In planta transformation of pigeon pea: a method to overcome recalcitrancy of the crop to regeneration <i>in vitro</i>	<i>Physiology and Molecular Biology of Plants</i> 14(4): 321-328	4.63	42



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56.	Keshamma E., Rohini Sreevathsa, Madhusudhan B. and Prasad T.G.	2008	Transformability in field bean (uidA:nptII) by <i>Agrobacterium tumefaciens</i> mediated in planta strategy	<i>Journal of Plant Biology</i> 35(1): 31-37	7.21	30
57.	Gowri Neelima M., Ramu S.V., Rohini Sreevathsa, Asha Rani B. M., Kumar A.R.V. and Gayatri M.C.	2008	In planta transformation strategy to generate transgenic plants in chickpea: Proof of concept with a <i>cry</i> gene	<i>J. Plant Biol.</i> 35(3): 201-206	7.21	0
58.	Manjunatha B., Suma T.C., Rohini Sreevathsa, Devendra R., Udayakumar M. and Prasad T.G.	2008	Evaluation of advanced generation transgenic groundnut lines resistant to herbicide-glyphosate	<i>Journal of Weed Science</i> 40(3&4): 162-165	3.94	0
59.	Mohapatra K.P., Sehgal R.N., Sharma R.K. and Mohapatra T.	2009	Genetic analysis and conservation of endangered medicinal tree species <i>Taxus wallichiana</i>	<i>New Forest</i> 37: 109-121	7.83	1
60.	Parida S.K., Kalia S.K., Kaul S., Dalal V., Hemaprabha G., Selvi A., Pandit A., Singh, Gaikwad K., Sharma T.R., Srivastava P.S. Singh N.K. and Mohapatra T.	2009	Informative genomic micro-satellite markers for efficient genotyping applications in sugarcane	<i>Theor. Appl. Genet.</i> 118: 327-338	9.97	20
61.	Sujatha, T.P., Sivanandan, C., Bhat, S. R. and Srinivasan, R.	2009	In silico and deletion analysis of upstream promoter fragment of S-adenosyl homocysteine hydrolase (SAHH1) gene of Arabidopsis leads to the identification of a fragment capable of driving gene expression in developing seeds and anthers	<i>J. Plant Biochemistry and Biotechnol.</i> 18: 13-20	7.09	110
62.	Vijay D., Dadlani, M., Kumar, P.A. and Panguluri, S.K.	2009	Molecular Marker Analysis of Differentially Aged Seeds of Soybean and Safflower	<i>Plant Molecular Biology Reporter</i> DOI: 10.1007/s11105-008-0085-9	7.66	170
63.	Yadava D.K., Parida S.K., Dwivedi V.K., Varshney A., Ghazi I.A., Sujata V. and Mohapatra T.	2009	Cross-transferability and polymorphic potential of genomic STMS markers of <i>Brassica</i> species	<i>J. Plant Biochem. Biotech.</i> 18: 29-36	7.09	17



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64.	Prakash, S., Bhat, S.R. and Fu, T.D.	2009	Wild germplasm and male sterility. In: Gupta, S.K. (ed.) Biology and Breeding of Crucifers. CRC Press	<i>Boca Raton, Fl.</i> 113-128	-	8
65.	Prakash, S., Bhat, S. R., Quiros, C. F., Kirti, P. B. and Chopra, V. L.	2009	Brassica and its close allies: cytogenetics and evolution	<i>Plant Breeding Reviews</i> 31: 21-187	-	8
66.	Ammar, M.H.M., Pandit, A., Singh, R.K., Sameena, S., Chauhan, M.S., Singh, A.K., Sharma, P.C., Gaikwad, K., Sharma, T.R., Mohapatra, T. and Singh, N.K.	2009	Mapping of QTLs controlling Na ⁺ , K ⁺ and Cl ⁻ ion concentration in salt tolerance indica rice variety CSR27	<i>Journal of Plant Biochemistry and Biotechnology</i> 18: 139-150	7.09	74
67.	Bhatia, R., Singh, K.P., Jhang, T. and Sharma, T.R.	2009	Assessment of clonal fidelity of micro propagated gerbera plants by ISSR markers	<i>Scientia Hort.</i> 119: 208-211	7.37	33
68.	Dixit, Rekha, Bhargava, A., Dalal, V., Plaha, P., Singh, N.K. and Sharma, T.R.	2009	Accumulation of Defence Response-related and Unique Expressed Sequence Tags during the Incompatible Interaction in the <i>Oryza sativa</i> - <i>Magnaporthe oryzae</i> Pathosystem	<i>J. Phytopathology</i> 157: 483-489	6.82	90
69.	Dikshit, H.K., Sharma, T.R., Singh, B.B. and Kumari Jyoti	2009	Molecular and morphological characterization of fixed lines from diverse cross in Mung bean (<i>Vigna radiata</i>)	<i>Journal of Genetics</i> 88: 141-144	6.19	4
70.	Gupta, N.C., Sinha, S. K., Jolly, M., Dubey, N. and Sachdeva, A.	2009	Antisense RNA mediated inhibition of gmfad 2-1 encoding omega-6-desaturase	<i>Indian J. Plant Physiol.</i> 14: 336-343	4.66	7
71.	Karmakar, R., Bhattacharya, R.C. and Kul Shrestha, G.	2009	Comparative metabolism of thiamethoxam in tomato cell suspension culture and field conditions	<i>J. Agric. & Food Chem.</i> 57: 6369-6374	8.91	1
72.	Madhav, M.S., Plaha, P. Singh, N.K. and Sharma, T.R.	2009	Molecular characterization of genomic fragment containing Pi-kh gene from the genomic library of indica rice line, Tetep	<i>J. Phytopathology.</i> 157: 322-324	6.82	0



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73.	Meuller, L.A., Tanksley, S.D., Tyagi, A.K., Khurana, J.P., Singh, N.K. and Sharma, T.R,	2009	A snapshot of the Emerging Tomato Genome Sequence.	<i>The Plant Genome.</i> 2: 1-15	9.93	4
74.	Nandeshwar, S. B., Moghe S., Chakrabarty, P. K., Deshattiwar, M. K., Kranthi, K., Kumar, P.A., Mayee, C.D. and Khadi, B.M.	2009	Agrobacterium transformation of cry1Ac gene in diploid cotton <i>Gossypium arboreum</i> cv. RG 8 and regeneration of transgenic plants	<i>Plant Molecular Biology Reporter</i> 27: 549-557	7.66	82
75.	Padaria, Jasdeep Chatrath and Singh, Aqbal	2009	Molecular Characterization of Soil Bacteria Antagonistic to <i>Rhizoctonia solani</i> , Sheath Blight of Rice	<i>Journal of Environmental Science & Health Part B.</i> 44: 397-402	7.20	21
76.	Parida, S.K., Dalal, V., Singh, A.K., Singh, N.K. and Mohapatra, T.	2009	Genic non-coding microsatellites in the rice genome: characterization, marker design and use in assessing genetic and evolutionary relationship among domestic groups	<i>BMC Genomics</i> 10: 40	9.99	12
77.	Patil, G., Deokar, A.A., Jain, P.K., Thengane, R.J. and Srinivasan, R.	2009	Development of a phosphomannose isomerase-based <i>Agrobacterium</i> -mediated transformation system for chickpea (<i>Cicer arietinum</i> L.)	<i>Plant Cell Reports</i> 28: 1669-1676	9.07	45
78.	Pearce, G., Bhattacharya, R.C., Chen, Y., Barona, G., Yamaguchi, Y. and Ryan, C.A.	2009	Isolation and characterization of hydroxyproline-rich glycopeptide signals in black nightshade leaves	<i>Plant Physiology</i> 150: 1422-1433	12.84	21
79.	Sangram, K. Lenka., Bikash, Lohia. Kumar, Abhay. Chinnusamy, Viswanathan and Bansal, Kailash. C.	2009	Genome-wide targeted prediction of ABA responsive genes in rice based on over-represented cis-motif in co-expressed genes	<i>Plant Molecular Biology</i> DOI: 10.1007/s11103-008-9423-4	10.26	31
80.	Sharma, R.K., Bhardwaj, P., Negi, R., Mohapatra, T. and Ahuja, P.S.	2009	Identification, characterization and utilization of unigene derived microsatellite markers in tea (<i>Camellia sinensis</i> L.)	<i>BMC Plant Biology</i> 9:53	9.81	32



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81.	Srinivasan, R. and Saha, D.	2009	Promoter Trapping in Plants using T-DNA Mutagenesis	<i>Molecular Techniques in Crop Improvement.</i> (Editors: S.M. Jain & D.S. Brar) 2nd Edition, Springer Science and Business Media Netherlands 545-578	-	105
82.	Varshney, R.K., Hiremath, P.J., Lekha, P., Kashiwagi, J., Balaji, J., Deokar, A.A., Vadez, V., Xiao, Y., Srinivasan, R. and Gaur, P.M. et al.	2009	A comprehensive resource of drought- and salinity-responsive ESTs for gene discovery and marker development in chickpea (<i>Cicer arietinum</i> L.)	<i>BMC Genomics</i> 10: 523-541	9.99	7
83.	Vijay, D., Dadlani, M., Kumar, P.A. and Panguluri, S.K.	2009	Molecular Marker Analysis of Differentially Aged Seeds of Soybean and Safflower.	<i>Plant Molecular Biology Reporter</i> 27: 282-291	7.66	122
84.	Gowri Neelima M., Rohini Sreevathsa, Kumar A.R.V. and Gayatri M.C.	2009	Agrobacterium-mediated in planta transformation of chickpea: utility of EPSPS as a selectable marker	<i>J. Plant Biol.</i> , 36(1&2): 55-63	7.21	17
85.	Manjunatha S. B., Suma T.C., Rohini Sreevathsa, Devendra R. and Udaya Kumar M.	2009	Development of transgenics in groundnut, <i>Arachis hypogaea</i> L. harboring a modified EPSPS gene	<i>J. Oilseeds Res.</i> 26 (Special issue) 646-649	3.97	0
86.	Manoj Kumar A., Kalpana N. Reddy, Rohini Sreevathsa, Girija Ganeshan and Udaya Kumar M.	2009	Towards crop improvement in bell pepper (<i>Capsicum annuum</i> L.): Transgenics (uid A::hpt II) by a tissue-culture-independent <i>Agrobacterium</i> -mediated in planta approach	<i>Scientia Horticulturae</i> 119: 362-370	7.37	0
87.	Sundaresha S., Rohini Sreevathsa, Keshavareddy G. and Udayakumar M.	2009	<i>Agrobacterium tumefaciens</i> genetics to gene transfer	<i>Current Biotica.</i> 4: 507-535	3.68	17
88.	Sowmya Sudhan, Rohini Sreevathsa, Nagaveni V., Ravikumar K. and Sashidhar V.R.	2009	Genetic engineering of rice for heavy metal stress tolerance: Initial physiological screening of diverse rice genotypes and stringent evaluation test (SET) of putative transformants	<i>Journal of Plant Science Research</i> 25(1): 21-37	2.40	2



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89.	Keshavareddy G., Rohini Sreevathsa, S. Sundaresha, Kumar A. R.V. and Udayakumar M.	2009	Genetic engineering of crop plants: methods for characterization with special reference to Bt transgenic plants	<i>Current Biotica</i> 3(2): 278-330	3.68	2
90.	Manoj Kumar A., Sundareshs S. and Rohini Sreevathsa	2009	Resistance to <i>Alternaria</i> leaf spot disease in safflower (<i>Carthamus tinctorius</i> L.) harboring a rice chitinase gene	<i>Transgenic Plant Journal</i> 3 (Special issue): 113-118	11.97	0
91.	B.L. Patil and C.M. Fauquet	2009	Cassava Mosaic Gemini-viruses: actual knowledge and perspectives	<i>Molecular Plant Pathology</i> 10: 685-701	10.72	5
92.	Jasdeep Chatrath Padaria and Aqbal Singh	2009	Molecular Characterization of Soil Bacteria Antagonistic to <i>Rhizoctonia solani</i> , Sheath Blight of Rice	<i>Journal of Environmental Science & Health Part B.</i> 44: 397-402	7.20	119
93.	Mandal, P.K., Kochu Babu, M. and Satyavani, V.	2009	Characterization of oil extracted from bunch end rot disease affected oil palm (<i>Elaeis guineensis</i> Jacq.)	<i>Journal of Plantation Crops</i> 37(1): 60-63	3.06	12
94.	Mandal, P.K., Sujatha, G. and Krishna Kumar, T.	2009	Qualitative analysis of interspecific hybrid of oil palm for bunch component analysis.	<i>Journal of Plantation Crops</i> 37(2): 117-122	3.06	0
95.	Mandal, P.K., Satyavani, V. and Kochu Babu, M.	2009	Studies on colony morphology and sporulation of Ganoderma isolates, causing basal stem rot disease of oil palm	<i>International Journal of Oil Palm</i> 6(1): 43-48	-	0
96.	Mandal, P.K. and Sujatha, G.	2009	Gas Chromatograph Mass Spectroscopy Method for Analysis of Fatty Acid Composition of Palm Oil Using BPX-70 Capillary Column	<i>International Journal of Oil Palm</i> 6(1): 49-52	-	0
97.	Jayanthi, M. and Mandal, P.K., K. Suresh and B. Sunitha	2009	Preliminary Observations on Tissue Culture of Oil Palm	<i>International Journal of Oil Palm</i> 6(1): 67-68	-	0
98.	Jayanthi. M, Sujatha G. and Mandal P.K.	2009	Optimization of PCR Reagents for amplification of micro-satellites in oil palm	<i>Indian Journal of Horticulture</i> 66(1): 147-148	6.13	0
99.	Mandal P.K., Rajesh M., Venkateswrlu TC. and Jayanthi, M.	2009	Esterase and peroxidase isozyme profile along with its activity in oil palm (<i>Elaeis guineensis</i> Jacq.)	<i>International Journal of Oil Palm</i> 6(2): 7-12	-	0



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100.	Solanke A.U., Sharma M.K, Tyagi A.K. and Sharma A.K.	2009	Characterization and phylogenetic analysis of environmental stress responsive SAP gene family encoding A20/AN1 zinc-finger proteins in tomato	<i>Molecular Genetics and Genomics</i> 282: 153-164	8.73	33
101.	Gupta V., Mathur S., Solanke A.U., Sharma M.K., Kumar R., Vyas S., Khurana P., Khurana J.P., Tyagi A.K. and Sharma A.K.	2009	Genome analysis and genetic enhancement of tomato	<i>Critical Reviews in Biotechnology</i> 29: 152-181	13.18	19
102.	Mueller L.A., Solanke A.U., Knapp S., Zamir D. and Stiekema W.	2009	A snapshot of the emerging tomato genome sequence	<i>Plant Genome</i> 2: 78-92	9.93	81
103.	Sharma M.K., Solanke A.U., Jani D., Singh Y. and Sharma A.K.	2009	A simple and efficient <i>Agrobacterium</i> mediated procedure for transformation of tomato	<i>Journal of Biosciences</i> 34: 423-433	8.06	44
104.	Dalal M., Tayal D., Chinnaswamy V., Bansal K.C.	2009	Abiotic stress and ABA-inducible Group 4 LEA from <i>Brassica napus</i> plays a key role in salt and drought tolerance	<i>Journal of Biotechnology</i> 139: 137-45	8.87	125
105.	Ghazi I.A., Srivastava P.S., Dalal V., Gaikwad K., Singh A.K., Sharma T.R., Singh N.K. and T. Mohapatra	2009	Physical mapping, expression analysis and polymorphism survey of resistance gene analogues on chromosome 11 of rice	<i>Journal of Biosciences</i> 34: 251-261	8.06	10
106.	Singh B.K., Singh A., Gaikwad K. and N.K. Singh	2009	Cloning and Characterization of full-length Triticin cDNA and Genes from Wheat Varieties K-68 and Chinese Spring	<i>Journal of Plant Biochemistry and Biotechnology</i> 18(1): 21-28	7.09	1
107.	Gowri Neelima M., Rohini Sreevathsa, Kumar A.R.V. and Gayatri M.C.	2009	Agrobacterium-mediated in planta transformation of chickpea: utility of EPSPS as a selectable marker	<i>J. Plant Biol.</i> 36(1&2): 55-63	7.21	0
108.	Manjunatha S.B., Suma T.C., Rohini Sreevathsa, Devendra R. and Udayakumar M.	2009	Development of transgenics in groundnut, <i>Arachis hypogaea</i> L. harboring a modified EPSPS gene	<i>J. Oilseeds Res.</i> 26 (Special issue) 646-649	3.97	0



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109.	Manoj Kumar A., Kalpana N. Reddy, Rohini Sreevathsa, Girija Ganeshan and Udayakumar M.	2009	Towards crop improvement in bell pepper (<i>Capsicum annuum</i> L.): Transgenics (uid A::hpt II) by a tissue-culture-independent <i>Agrobacterium</i> -mediated in planta approach	<i>Scientia Horticulture</i> 119: 362-370	7.37	17
110.	Sharma, R.K., Bhardwaj, P., Negi, R. Mohapatra, T. And Ahuja, P.S.	2009	Identification, characterization and utilization of unigene derived microsatellite markers in tea (<i>Canellia sinensis</i> L.)	<i>BMC Plant Biology.</i> 9: 53	9.81	105
111.	Sharma, T.R., Rai, S.A.K., Gupta, S.K. and Singh, N.K.	2010	Broad-spectrum Blast Resitance Gene Pi-kh closed from Rice Line Tetep Designated as Pi54	<i>Journal of Plant Biochemistry and Biotechnology</i> 19: 87-89	7.09	38
112.	Singh, H., Deshmukh, R.K., Singh, A., Singh, A.K., Gaikwad, K., Sharma, T.R., Mohapatra, T. and Singh, N.K.	2010	Highly variable SSR markers suitable for rice genotyping using agarose gels.	<i>Molecular Breeding</i> 25: 359-364	8.25	63
113.	Singh, A., Singh, Pradeep K., singh, Deepak, K., Tyagi, Kuldeep., Singh, Ashok, K., Singh, Nagendra, K. and Sharma Tilak, R.	2010	SNP haplotypes of the BADH1 gene and their association with aroma in rice (<i>Oryza sativa</i> L.)	<i>Molecular Breeding</i> 10.1007/s11032-010-9425-1	8.25	30
114.	Srinivasan, R. and Saha, D.	2009	Promoter Trapping in Plants using T-DNA Mutagenesis	<i>Molecular techniques in crop imporovement. (Editors: S.M. Jain & D.S. Brat) 2nd Edition, Springer Science & Business Media Netherlands</i> 545-578	-	7
115.	Manoj Kumar A., Sundareshs S. and Rohini Sreevathsa	2009	Resistance to Alternaria leaf spot disease in safflower (<i>Carthamus tinctorius</i> L.) harboring a rice chitinase gene	<i>Transgenic Plant Journal</i> 3(Special issue): 113-118	-	5
116.	Sangram, K.L., Lohia, B. Kumar, A. Viswanathan, C. and Bansal, K.C.	2009	Genome-wide targeted prediction of ABA responsive genes in rice based on over-represented cis-motif in co-expressed genes	<i>Plant Molecular Biology</i> DOI: 10.1007/s11103-008-9423-4	10.26	32



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117.	Patil, G., Patel, R., Jaat, R., Pattanayak, A., Jain, P.K. and Srinivasan, R.	2009	Glutamine improves shoot morphogenesis in chickpea (<i>Cicer arietinum</i> L.)	<i>Acta Physiol. Plant</i> 31: 1077-1084	7.5	4
118.	Channamallikarjuna, V., Sonah, H., Prasad, M., Rao, G.J.N., Chand, S., Upreti, H.C., Singh, N.K. and Sharma, T.R.	2010	Identification of major quantitative trait loci qSBR11-1 for sheath blight resistance in rice	<i>Mol. Breeding</i> 25: 155-166	8.25	80
119.	Parida, S.K., Yadava, D.K. and Mohapatra, T.	2010	Microsatellites in Brassica unigenes: relative abundance, marker design, and use in comparative physical mapping and genome analysis	<i>Genome</i> 53: 55-67	7.6	54
120.	Varshney, R.K. Penmetsa, R.V. Dutta, S. Kulwal, P.L., Saxena, R.K., Sharma, T.R., Rosen, B., Carrasquilla-Garcia, N., Farmer, A.D., Dubey, A., Saxena, K.B., Gao, J., Fakrudin, B., Singh, M.N., Singh, B.P., Wanjari, K.B., Yuan, M., Srinivasan, R.K., Kilian, A., Upadhyaya, H.D., Mallikarjuna, N., Town C.D. Bruening, G.F., He, G., May, G., and Cook, D.R.	2010	Pigeon pea genomics initiative (PGI): an international effort to improve crop productivity of pigeon pea (<i>Cajanus cajan</i> L.)	<i>Molecular Breeding</i> 10.1007/s11032-009-9327-2	8.25	93
121.	Liang, H., Kumar P.A., Nain, V., Powell, W.A. and Carlson, J.E.	2010	Selection and Screening Strategies	<i>In: Transgenic Plants, Vol. 1, Principles and Development, Eds. C. Kole, C.H. Michler, A.G. Abbott and T.C. Hall</i> 85-144 <i>Springer, Heidelberg</i>	-	0
122.	Katiyar, A., Lakshmi, K, Lenka S.K., Chinnaswamy V. and Bansal K.C.	2010	In Silico Characterization and Homology Modeling of Thylakoid bound Ascorbate Peroxidase from a Drought Tolerant Wheat Cultivar	<i>Genomics, Proteomics and Bioinformatics</i>	5.15	3
123.	Acharjee, S., Sarmah, B., Kumar, P.A., Olsen, K., Mahon, R., Moar, M. J., Moore, A. and Higgins, T.J.V.	2010	Expression of a sequence-modified cry2Aa gene for resistance to <i>Helicoverpa armigera</i> in chickpea (<i>Cicer arietinum</i> L.)	<i>Plant Science</i> 178: 333-339	7.77	9



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124.	Rakshit, A., Rakshit, S., Santhy, V., Gotmare, V. P., Mohan, P., Singh, V.V., Singh, S., Singh, J., Balyan, H.S., Gupta, P.K. and Bhat, S.R.	2010	Evaluation of SSR Markers for the assessment of genetic diversity and fingerprinting of <i>Gossypium hirsutum</i> accessions	<i>Journal of Plant Biotechnology and Biotechnology</i> (In Press)	6.8	6
125.	Aggarwal, R., Singh V. B., Shukla, R., Gurjar, M.S., Gupta, S. and Sharma, T.R.	2010	URP-based DNA Fingerprinting of <i>Bipolaris sorokiniana</i> Isolates Causing Spot Blotch of Wheat	<i>J. Phytopathology</i> 158: 210-216	6.82	13
126.	Arvinth, S., Arun, S., Selvakesavan, R.K., Srikanth, J., Mukunthan, J., Kumar, P.A., Premachandran, M.N. and Subramonian, N.	2010	Genetic transformation and pyramiding of aprotinin-expressing sugarcane with Cry1Ab for shoot borer (<i>Chilo infuscatellus</i>) resistance	<i>Plant Cell Rep.</i> 29: 383-395	9.07	48
127.	Basavaraj, S.H., Singh, V.K., Singh, A., Anand, D., Yadav, S., Ellur, R.K., Singh, D., Gopalakrishnan, S., Nagarajan, M. and Mohapatra, T. et al.	2010	Marker-assisted improvement of bacterial blight resistance in parental lines of Pusa RH10, a superfine grain aromatic rice hybrid	<i>Mol. Breed.</i> 26: 293-305	8.25	81
128.	Bhati, J., Sonah, H., Jhang, T., Singh, N.K. and Sharma, T.R.	2010	Comparative Analysis and EST Mining Reveals High Degree of Conservation among Five Brassicaceae Species	<i>Comp. Funct. Genomics</i>	-	11
129.	Kumar, M., Basha, P. O., Puri, A., Rajpurohit, D., Randhawa, G.S., Sharma, T.R. and H.S. Dhaliwal	2010	A candidate gene OsAPC6 of anaphase-promoting complex of rice identified through T-DNA insertion	<i>Funct. Integr. Genomics</i> 10: 349-358	-	11
130.	Naik, P.K., Alam, M. A., Singh, H., Goyal, V., Parida, S.K., Kalia, S. and Mohapatra, T.	2010	Assessment of genetic diversity through RAPD, ISSR and AFLP markers in <i>Podophyllum hexandrum</i> : a medicinal herb from the Northwestern Himalayan region	<i>Physiol. Mol. Biol. Plants</i> 16: 1-13	4.63	22
131.	Ngangkham, U., Parida, S.K., Dey, S.K., Raj Kumar, K.A., Singh, A.K., Singh, N.K. and Mohapatra, T.	2010	Genic markers for WA cytoplasm based male sterility and its fertility restoration in rice	<i>Mol. Breed.</i> 26: 275-292	8.25	0



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132.	Padaria, J.C., Ranjan, H. and Singh, A.	2010	Soilmicrobe <i>Bacillus pumillus</i> MTCC7615 antagonistic to a wide spectrum of phytopathogens	<i>J. Ecofriendly Agric.</i> 5: 94-97	3.10	0
133.	Pandit, A., Rai, V., Bal, S., Sinha, S., Kumar, V., Chauhan, M., Gautam, R.K., Singh, R., Sharma, P.C., Singh, A.K., Gaikwad, K., Sharma, T.R., Mohapatra, T. and Singh, N.K.	2010	Combining QTL mapping and transcriptome profiling of bulked RILs for identification of functional polymorphism for salt tolerance genes in rice (<i>Oryza sativa</i> L.)	<i>Mol. Genet. Genomics</i> 284(2): 121-36	8.73	81
134.	Shankar, S., Jaiswal, L. and Kaur, S.	2010	Diversity of <i>Bacillus thuringiensis</i> isolated from diverse habitats of North India for the presence of cry gene profiles	<i>J. Applied Biosci.</i> 36: 124-129	7.6	2
135.	Parida, S.K., Pandit, A., Gaikwad, K., Sharma, T.R., Srivastava, P. S., Singh, N.K. and Mohapatra, T.	2010	Functionally relevant microsatellites in sugarcane unigenes	<i>BMC Plant Biol.</i> 10: 251	9.81	44
136.	Parida, S.K., Yadava, D. K. and Mohapatra, T.	2010	Microsatellites in Brassica unigenes: Relative abundance, marker design and use in comparative physical mapping and genome analysis	<i>Genome</i> 53: 55-67	-	54
137.	Sharma, M.K., Kumar, R., Solanke, A.U., Sharma, R., Tyagi, A. K. and Sharma, A.K.	2010	Identification, phylogeny, and transcript profiling of ERF family genes during development and abiotic stress treatments in tomato	<i>Mol. Genet. Genomics</i> 284: 455-475	7.8	103
138.	Sharma, P., Nain, V., Lakhanpal, S. and Kumar, P.A.	2010	Synergistic activity between <i>Bacillus thuringiensis</i> Cry1Ab and Cry1Ac toxins against maize stem borer (<i>Chilo partellus</i> Swinhoe)	<i>Letters Applied Microb.</i> 51: 42-47	7.8	28
139.	Bhat, S.R.	2010	Transgenics for increasing productivity	<i>J. of Plant Biochemistry and Biotechnology</i> 19: 1-7	7.09	0



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140.	E. Ogwok, B.L. Patil, T. Alicai and C.M. Fauquet.	2010	Transmission studies with Cassava brown streak Uganda virus (Potyviridae: Ipomovirus) and its interaction with abiotic and biotic factors in <i>Nicotiana benthamiana</i>	<i>Journal of Virological Methods</i> 169: 296-304	7.78	14
141.	B.L. Patil and C.M. Fauquet	2010	Differential interaction between cassava infecting geminiviruses and geminivirus satellites	<i>Journal of General Virology</i> 91: 1871-1882	9.19	50
142.	Surasak Laloknam, Aporn Bualuang, Bongkoj Boonburapong, Vandna Rai, Teruhiro Takabe and Aran Incharoensakdi	2010	Salt stress induced glycinebetaine accumulation with amino and fatty acid changes in cyanobacterium <i>Aphanotheca halophytica</i>	<i>J. Food Ag-Ind.</i> 3(1): 25-34		5
143.	Kanika, Dogra T. and Nain L.	2010	Biochemical and molecular characterization of a rhizobitoxine producing Bradyrhizobium from pigeon pea growing under arid conditions	<i>Folia Microbiol.</i> 55(3): 233-238	7.0	0
144.	Kanika, Dogra T. and Nain L.	2010	Biochemical and molecular characterization of Mesorhizobium ciceri containing acdS gene	<i>J. Pl. Biochem. Biotechnol.</i> 19(1): 107-110	7.09	1
145.	Karihaloo, J.L. and Kumar, P.A.	2009	Bt cotton in India: A status report	<i>Asia-Pacific Consortium on Agricultural Biotechnology, New Delhi, India</i>	-	0
146.	Deka, S. and Barthakur, S.	2010	Overview on current status of biotechnological interventions on yellow stem borer Scirpophaga incertulas (Lepidoptera: Crambidae) resistance in rice	<i>Biotechnology Advances</i> 28: 70-81	15.02	29
147.	V. Gupta, C. Natarajan, Kanika and R. Prasanna.	2010	Identification and characterization of endoglucanases for fungicidal activity in Anabaena laxa	<i>J. App. Phycol.</i> 23(1): 73-81	8.56	20
148.	Murali Mohan N., Susanthi B., Mandal P. K. and Jayanthi, M.	2010	Callus induction from inflorescences of oil palm	<i>International Journal of Oil Palm</i> 7(1&2): 9-12	-	0



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149.	Sharma M.K., Kumar R., Solanke A.U., Sharma R, Tyagi A.K. and Sharma A.K.	2010	Identification, phylogeny, and transcript profiling of ERF family genes during development and abiotic stress treatments in tomato	<i>Molecular Genetics and Genomics</i> 284: 455-475	8.73	103
150.	Dalal M., Chinnusamy V. and Bansal K.C.	2010	Isolation and functional characterization of Lycopene β -cyclase (CYC-B) promoter from <i>Solanum habrochaites</i>	<i>BMC Plant Biology</i> 10: 61	9.81	39
151.	Shankar, S., Jaiswal, L. and Kaur, S.*	2010	Diversity of <i>Bacillus thuringiensis</i> isolated from diverse habitats of North India for the presence of cry gene profiles	<i>Journal of Applied Bioscience</i> 36: 124-129	3.52	3
152.	Yadava, D.K., Giri, S. C., Vasudev, S., Yadav, A.K., Dass, B., Rajee, R. S., Vignesh, M., Singh, R., Mohapatra, T. and Prabhu, K.V.	2010	Stability analysis in Indian mustard (<i>Brassica juncea</i>) varieties	<i>Ind. J. Agric. Sci.</i> 80: 761-765	6.14	0
153.	Singh, R.K., Bhatia, V. S., Bhat, K.V., Mohapatra, T., Singh, N.K., Bansal, K.C. and Koundal, K.R.	2010	SSR and AFLP based genetic diversity of soybean germplasm differing in photoperiod sensitivity	<i>Genet. Mol. Biol.</i> 33: 319-324	7.20	17
154.	Pathania, N., Kanwar, S. S., Jhang, T., Koundal, K.R. and Sharma, T.R.	2010	Application of different molecular techniques for deciphering genetic diversity among yeast isolates of traditional fermented food products of Western Himalayas	<i>J. Microbiol. Biotechnol.</i> 26: 1539-1547	7.78	22
155.	Raju, N.L., Ganesh, B. N., Lekha, P., Jayashree, B., Pande, S., Hiremath, P.J., Byregowda, M., Singh, N.K. and Varshney, R.K.	2010	The first set of EST resource for gene discovery and marker development in pigeon pea (<i>Cajanus cajan</i> L.)	<i>BMC Plant Biol.</i> 10: 45	9.81	0
156.	Raghavendra, K. P., Phanindra, M.L.V., Kumar, B.K., Dhandapani, G. and Kumar, P.A.	2011	Identification of differentially expressed genes during bud stage of cotton boll development using suppression subtractive hybridization and cDNA microarray	<i>Journal of Plant Biochem. Biotech.</i> 20: 12-19	7.09	1



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157.	Leelavathi, S., Bhardwaj, A., Kumar, S., Dass, A., Pathak, R., Pandey, S.S., Tripathy, B.C., Padmalatha, K.V., Dhandapani, G., Kanakachari, M., Solanke, A.U., Kumar, P.A., Cella, R. and Reddy, V.S.	2011	Genome-wide transcriptome and proteome analyses of tobacco psaA and psbA deletion mutants	<i>Plant Mol. Biol.</i> DOI: 10.1007/s11103-011-9731-y	10.26	9
158.	Rana, A., Saharan, B., Joshi, M., Prasanna, R., Kanika and Nain, L.	2011	Identification of multi-trait PGPR isolates and evaluating their potential as inoculants for wheat	<i>Annals Microbiol.</i> DOI: 0.1007/s13213-011-0211-z	6.99	61
159.	Saha, D., Kumar, V., Bhat, S. R. and Srinivasan R.	2011	Characterization of upstream sequences of the LOJ gene leads to identification of a novel enhancer element conferring lateral organ junction-specific expression in <i>Arabidopsis thaliana</i>	<i>Plant Mol. Biol. Rep.</i> 29: 265-277	7.66	11
160.	Sharma, A., Sonah, H., Deshmukh, R.K., Gupta, N.K., Singh, N.K. and Sharma, T.R.	2011	Analysis of genetic diversity in earthworms using DNA markers	<i>Zoolog. Sci.</i> 1: 25-31		5
161.	Barthakur, Sharmistha	2011	Response of thylakoid bound ascorbate peroxidase under abiotic stress in two wheat genotypes	<i>Annals of Agricultural Research New Series</i> 32(3&4): 130-134	3.02	0
162.	Bhat, S.R.	2011	Rationalizing investment and effort in whole genome sequencing for harvesting applied benefits	<i>Current Sci.</i> 100: 1633-1637	6.93	1
163.	Hiremath, P J., Farmer, A., Cannon, S.B., Woodward, J., Kudapa, H., Tuteja, R., Kumar, A., BhanuPrakash, A., Mulaosmanovic, B., Gujaria, N., Krishnamurthy, L., Gaur, P.M., Kavi Kishor, P.B., Shah, T., Srinivasan, R., Lohse, M., Xiao, Y., Town, C.D., Cook, D.R., May, G.D. and Varshney, R.K.	2011	Large-scale transcriptome analysis in chickpea (<i>Cicer arietinum</i> L.), an orphan legume crop of the semi-arid tropics of Asia and Africa	<i>Plant Biotechnology Journal</i> 9: 922-93	11.75	151



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164.	Bhatia, Varnika., Uniyal, Prem L. and Bhattacharya, Ramcharan	2011	Aphid resistance in Brassica crops: Challenges, biotechnological progress and emerging possibilities	<i>Biotechnology Advances</i> 29: 879-888	15.02	21
165.	Chelliah, A., Gupta, G.P., Karuppiah, S. and Kumar, P.A.	2011	Chimeric δ -endotoxins of <i>Bacillus thuringiensis</i> with increased activity against <i>Helicoverpa armigera</i>	<i>International Journal of Tropical Insect Science</i> 31: 59-68	-	2
166.	Deokar, A.A., Kondawar, V., Jain, P.K., Karuppayil, S.M., Raju, N.L., Vadez, V., Varshney, R.K. and Srinivasan, R.	2011	Comparative analysis of expressed sequence tags (ESTs) between drought-tolerant and susceptible genotypes of chickpea under terminal drought stress	<i>BMC Plant Biol.</i> 11: 70	9.81	45
167.	Gahloth, D., Shukla, U., Birah, A., Gupta, G.P., Kumar, P.A., Dhaliwal, H.S. and Sharma, A.K.	2011	Bio insecticidal activity of <i>Murraya koenigii</i> miraculin-like protein against <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>	<i>Archives of Insect Biochemistry and Physiology</i> 78(3): 132–144	7.02	6
168.	Sonah, H., Deshmukh, R.K., Singh, V. P., Gupta, D.K., Singh, N.K. and Sharma, T.R.	2011	Genomic resources in horticultural crops: status, utility and challenges	<i>Biotechnol. Adv.</i> 29(2): 199-209	15.02	35
169.	Srivastava, D., Nain, V., Sahi, S., Verma, A., Sharma, P., Sharma, P.C. and Kumar, P.A.	2011	Modeling and molecular dynamic simulation studies of pathogen resistance (R) protein from brinjal (<i>Solanum melongena</i> L.)	<i>Bio Information</i> 5: 326-330	8.2	0
170.	Ferris P., Olson B.J., De Hoff P.L., Douglass S., Casero D., Prochnik S., Geng S., Rai R., Grimwood J., Schmutz J., Nishii I., Hamaji T., Nozaki H., Pellegrini M. and Umen J.G.	2010	Evolution of an expanded sex determining locus in <i>Volvox</i>	<i>Science</i> 328(5976): 351-4	20	77
171.	Gupta N.C., Sinha S.K., Jolly M., Dubey N. and Sachdev A.	2010	Antisense rna-mediated inhibition of gmfad2-1 encoding omega-6-desaturase	<i>Indian J. Plant Physiol.</i> 14(4): 336-343	4.66	1
172.	Deshmukh R.K., Singh A., Jain N., Anand S., Gachhe R., Singh A.K., Gaikwad K, Sharma T.R., Mohapatra T. and N.K. Singh	2010	Identification of candidate genes for grain number in rice (<i>Oryza sativa</i> L.)	<i>Functional and Integrative Genomics</i> 10: 339-347	8.48	40



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173.	Gupta N.C., Sinha S.K., Jolly M., Dubey N. and Sachdev A.	2010	Antisense RNA-mediated inhibition of gmfad2-1 encoding omega-6-desaturase	<i>Indian J. Plant Physiol.</i> 14(4): 336-343	4.66	1
174.	Sushma, M. Awaji, Nagaveni V., Prashantkumar, S. Hanjagi, Madhavi D.N., Sashidhar V.R. and Rohini Sreevathsa	2010	Simple yet stringent screening methodologies for evaluation of putative transformants for abiotic stress tolerance: salt and cadmium stress as paradigm	<i>Physiol. Mol. Biol. Plants</i> 16(2): 135-139	-	1
175.	Sundaresha S., Manoj Kumar A., Rohini S., Math S.A., Keshamma E., Chandrashekar S.C. and Udayakumar M.	2010	Enhanced protection against two major fungal pathogens of groundnut, <i>Cercospora arachidicola</i> and <i>Aspergillus flavus</i> in transgenic groundnut over-expressing a tobacco β 1-3 glucanase	<i>European Journal of Plant Pathology</i> 126: 497-508	7.49	27
176.	D. Gayathri, M.P. Chaithanya, Rohini Sreevathsa, M.S. Sheshshayee and T.G. Prasad	2010	Protocol for the Production of Doubled Haploids from Rice F1 Anthers	<i>J. Plant Biol.</i> 37(3): 1-7	-	0
177.	Manjulatha Mekapogu., Bala Murali Krishna Vasamsetti, Rohini Sreevathsa, Appanna Venkappa Koppad, Suma Tumkur Chandrashekar, Sudhakar Chinta and Devendra R.	2010	Characterization of Groundnut (<i>Arachis hypogaea</i> L.) Transgenics for the Stability and Effectiveness of the Transgene, EPSPS.	<i>J. Plant Biol.</i> 37(3): 1-6	-	0
178.	S. Deka and S. Barthakur	2010	Overview on current status of biotechnological interventions on yellow stem borer <i>Scirpophaga incertulas</i> (Lepidoptera: Crambidae) resistance in rice	<i>Biotechnology Advances</i> 28(1): 70-81	15.02	29
189.	Sharma, P., Nain, V., Paul, S.L. and Kumar, P.A.	2011	Binding of <i>Bacillus thuringiensis</i> Cry1A toxins with brush border membrane vesicles of maize stem borer (<i>Chilo partellus</i> Swinhoe)	<i>Journal of Invert. Path.</i> 106: 333-335	8.11	8
180.	I. Amin, B.L. Patil, R. W. Briddon, S. Mansoor and C.M. Fauquet	2011	A common set of developmental miRNAs are upregulated in <i>Nicotiana benthamiana</i> by diverse begomoviruses	<i>Virology Journal</i> 8: 143	8.18	35



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181.	Bhat, S.R.	2011	Genetic engineering of apomixis in plants: closer to reality	<i>J. Plant Bioch. Biotech.</i> 20: 1-4	-	2
182.	B.L. Patil, E. Ogowk, H. Wagaba, I.U. Mohammed, J.S. Yadav, B. Bagewadi, N.J. Taylor, T. Alicai, J.F. Kreuze, M.N. Gowda and C.M. Fauquet	2011	RNAi mediated resistance to diverse isolates belonging to two virus species involved in Cassava brown streak disease	<i>Molecular Plant Pathology</i> 12(1): 31-41	10.72	58
183.	J.S. Yadav, E. Ogowk, H. Wagaba, B.L. Patil, B. Bagewadi, T. Alicai, E. Gaitan- Solis, N. J. Taylor and C.M. Fauquet	2011	RNAi mediated resistance to Cassava brown streak Uganda virus in transgenic cassava	<i>Molecular Plant Pathology</i> 12(7): 677-687	10.72	52
184.	D.R. Mbanzibwa, Y.P. Tian, A.K. Tugume, B. L. Patil, J.S. Yadav, C. M. Fauquet and J.P.T. Valkonen	2011	Evolution of cassava brown streak disease-associated viruses	<i>Journal of General Virology</i> 92: 974-987	9.19	50
185.	Awadhesh Pandit, Vandna Rai, Tilak R. Sharma, Prakash C. Sharma, and Nagendra K. Singh	2011	Differentially Expressed Genes in Sensitive and Tolerant Rice Varieties in Response to Salt-Stress	<i>J. Plant Biochem. Biotechnol.</i>	7.09	9
186.	S. C. Dubey, Aradhika Tripathi, P Dureja and Anita Grover	2011	Characterization 1 of secondary metabolites and enzymes produced by <i>Trichoderma</i> species and their efficacy against plant pathogenic fungi	<i>Indian Journal of Agricultural Sciences</i> 81(5): 455-61	6	10
187.	Rana, A., Saharan, B., Joshi, M., Prasanna, R., K. Kanika and Nain, L.	2011	Identification of multi-trait PGPR isolates and evaluating their potential as inoculants for wheat	<i>Annals of Microbiology</i> 61: 893-900	6.99	60
188.	Jayanthi. M, Murali Mohan N., Mandal P.K.	2011	Direct embryogenesis and plantlet regeneration in oil palm	<i>J. Plant Biochemistry and Biotechnology</i> 20(2): 249-251	7.09	7
189.	Kumar P.A., Mohapatra T., Sharma T.R., Bhattacharya R.C., Dash P., Gupta N.C. and Solanke A.U.	2011	Biotechnology and Crop Improvement	<i>Indian Journal of Agricultural Sciences</i> 81(9): 1-14	6.14	2



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190.	Leelavathi S., Bhardwaj A., Kumar S., Dass A., Pathak R., Pandey S.S., Tripathy B.C., Padmalatha K.V., Dhandapani G., Kanakachari M., Solanke A.U., Kumar P.A., Cella R. and Reddy V.S.	2011	Genome-wide transcriptome and proteome analyses of tobacco psaA and psbA deletion mutants	<i>Plant Molecular Biology</i> . DOI: 10.1007/s11103-011-9731-y	10.26	9
191.	Dutta S., Kumawat G., Singh B.P., Gupta D.K., Singh S., Dogra V., Gaikwad K., Sharma T.R., Raje R.S., Bandhopadhyaya T.K., Datta S., Singh M.N., Bashasab F., Kulwal P., Wanjari K.B., K. Varshney R., Cook D.R. and Singh N.K.	2011	Development of genic-SSR markers by deep transcriptome sequencing in pigeonpea [<i>Cajanus cajan</i> (L.) Millspaugh] BMC	<i>Plant Biol.</i> 20(11): 17	9.81	146
192.	Manoj Kumar A., Sundaresha S. and Rohini Sreevathsa	2011	Transgenic Sunflower (<i>Helianthus annuus</i> L.) with Enhanced Resistance to a Fungal Pathogen <i>Alternaria helianthi</i> .	<i>Transgenic Plant Journal</i> 5(1): 50-56	11.97	3
193.	Arthikala Manoj Kumar, Rohini Sreevathsa, Kalpana Nanja Reddy, Keshavareddy Gopalareddy, Prasad Trichy Ganesh and Makarla Udayakumar	2011	Amenability of Castor to an <i>Agrobacterium</i> - Mediated in planta Transformation Strategy Using a cry1AcF Gene for Insect Tolerance.	<i>J. Crop Sci. Biotech.</i> 14(2): 1-10	-	7
194.	Prashant Kumar Shrishail Hanjagi, Sashidhar Vudayagiri Radhakrishnan, Sushma Muragendra Awaji and Rohini Sreevathsa	2011	Improvement of Salt Tolerance in Putatively Transgenic Rice Plants Overexpressing AVP1, a Vacuolar H ⁺ -Pyrophosphatase	<i>Transgenic Plant Journal</i> 44-49	11.97	3
195.	Manoj Kumar, Kalpana N. Reddy, Manjulatha M., Elizabeth S. Arellano, Rohini Sreevathsa and Girija Ganeshan	2011	A rapid, novel and high-throughput identification of putative bell pepper transformants generated through in planta approach	<i>Scientia Horticulturae</i> 129: 898-903	7.37	4



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196.	Padaria, J.C. and Kapoor, Vikram	2011	Plasmid borne gene of <i>Bacillus pumillus</i> MTCC7615 responsible for fungal antagonism towards <i>Rhizoctonia solani</i>	<i>Indian Journal of Biotechnology</i> 10: 316-320	6.39	4
197	Rai, A.K., Kumar, S.P., Gupta, S.K., Gautam, N., Singh, N.K. and Sharma. T.R.	2011	Functional complementation of rice blast resistance gene Pi-kh (Pi54) conferring resistance to diverse strains of <i>Magnaporthe oryzae</i>	<i>J. Plant Biochem. Biotechnol.</i> 20(1): 55-65	7.74	43
198.	Prakash, S., Wu, X-M. and Bhat, S.R.	2011	History, evolution, and domestication of Brassica Crops	<i>Plant Breeding Rev.</i> 35: 19-84	-	32
199.	Padaria, J.C., Soren, K.R. and Singh, A.	2011	Cystemie proteinase-like gene has role in symbiotic properties of <i>Mesorbizobium ciceri</i> TAL620	<i>Journal of Ecofriendly Agriculture</i> 6: 131-136	3.10	0
200.	Sundaresha Siddappa, Rohini Sreevathsa, Rangaswamy Kattarigatta Topegowda and Udayakumar Makarla	2011	Strategies for Viral Disease Resistance in Crop Plants. The Asian and Australasian	<i>Journal of Plant Science and Biotechnology</i> 73-78	-	0
201.	Nagarajan, V.K., Jain, Ajay, Poling, M.D., Lewis A.J., Raghothama, K.G. and Smith, A.P.	2011	Arabidopsis Pht1; 5 mobilizes phosphate between source and sink organs and influences the interaction between phosphate homeostasis and ethylene signaling	<i>Plant Physiology</i> 156: 1149-1163	12.84	103
202.	Nagaveni Venkataramaiah, Sashidhar Vudayagiri Ramakrishna and Rohini Sreevathsa	2011	Overexpression of phytochelatin synthase (AtPCS) in rice for tolerance to cadmium stress	<i>Biologia, Section Cellular and Molecular Biology</i> 66(6): 1060-1073	-	6
203.	Sushma M. Awaji, Madhavi D. Naidu, Prashantkumar S. Hanjagi and Sashidhar V. Ramakrishna, Rohini Sreevathsa	2011	Possibility of Improved Salt Tolerance in Rice Transgenics Overexpressing pgNHX1	<i>Genes Genomes and Genomics</i> (Accepted)	8.28	0
204.	Kalyananagar Chikkakariyappa Manjunath, Rohini Sreevathsa, Narayanaswamy Ramachandra Swamy, Makarala Udaya Kumar	2011	Expression and specificity of EcNAC1 transcription factor from <i>Eleusine coracana</i> in <i>Escherichia coli</i>	<i>Biotechnol. Bioinf. Bioeng.</i> 1(4): 459-464	-	0



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205.	Kumar, Narender. Jhang, T., Satyavir and Sharma, T.R.	2011	Molecular and Pathological Characterization of <i>Colletotrichum falcatum</i> Infecting Subtropical Indian Sugarcane	<i>J. Phytopath.</i> 159: 260-267	6.82	16
206.	S.V. Ramu, S. Rohini, G. Keshavareddy, M. Gowri Nee- lima, N. B. Shanmugam, A.R.V. Kumar, S.K. Sarangi, P. Ananda Kumar and M. Udayakumar	2011	Expression of a synthetic cry1AcF Gene in Transgenic Pigeon pea Con-fers Resistance to <i>Helicoverpa armigera</i>	<i>Journal of Applied Entomology</i> 136(9): 675-687 DOI: 10.1111/j.1439-0418.2011.01703.x	2.87	14
207.	Rai R., Dash P.K., Mohapatra T. and Singh A.	2012	Phenotype and molecular characterization of indigenous rhizobia nodulating chickpea in India	<i>Ind. J. Exptl. Biol.</i>	7.0	0
208.	Keshawanand Tripathi, Naveen K. Sharma, Vandna Rai and Ashwani K. Rai	2012	Low cellular P-quota and poor metabolic adaptations of the freshwater cyanobacterium <i>Anabaena fertilissima</i> Rao during Pi-limitation	<i>Antonie van Leeuwenhoek</i> DOI: 10.1007/s10482-012-9808-x	-	3
209.	Anita Grover	2012	Plant chitinases: Genetic Diversity and Physiological roles.	<i>Critical reviews in Plant Sciences</i> 31:57-73	11.29	78
210.	Etika G, R.S. Singh and K. Kanika	2012	Isolation and functional characterization of Salt overly sensitive 1 (SOS1) gene promoter from <i>Salicornia brachiata</i> Roxb	<i>Biol. Plant.</i> 57(3): 465-473	7.85	3
211.	K. Pandey, P. Chaudhary, S. B. Singh, A. Arora, Kanika, S. Chaudhry and L. Nain	2012	Deciphering the traits associated with PAH degradation by a novel <i>Serratia marcescens</i> L11 strain	<i>J. Env. Sci. and Health (Part A-Toxic/ Hazardous Substance & Environ. Engineering)</i> 47(5): 755-65	7.16	12
212.	Jayanthi M., Kamala, A.V.R., Tamil Selvan C. and Mandal P.K.	2012	DNA markers for varietal identification of oil palm	<i>J. of Plantation Crops</i> 40(3): 208-211	3.06	0
213.	Padmalatha K.V., Dhandapani G., Kanakachari M., Kumar S., Dass A., Patil D.P., Rajamani V., Kumar K., Pathak R., Rawat B., Leelavathi S., Reddy P.S., Jain N., Powar K.N., Hiremath V., Katageri I.S., Reddy M.K., Solanke A.U., Reddy V.S., Kumar P.A.	2012	Genome-wide transcriptomic analysis of cotton under drought stress reveal significant down-regulation of genes and pathways involved in fibre elongation and up-regulation of defense responsive genes	<i>Plant Molecular Biology</i> 78(3): 223-46	10.26	62



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214.	Katara, J.L., Deshmukh, R., Singh, N.K. and Kaur, S.	2012	Molecular typing of native <i>Bacillus thuringiensis</i> isolates from diverse habitats in India using REP-PCR and ERIC-PCR analysis	<i>Journal of General and Applied Microbiology</i> 58: 83-94	8.48	21
215.	Nadella, K.D., Marla, Soma S., and Kumar, P. A.	2012	"Metabolomics in Agriculture" OMICS	<i>Journal of Integrative Biology</i> 16(4): 149-159	7.5	0
216.	Kumar, P., Vasupalli, N., Srinivasan, R. and Bhat, S.R.	2012	An evolutionarily conserved mitochondrial orf108 is associated with cytoplasmic male sterility in different alloplasmic lines of <i>Brassica juncea</i> and induces male sterility in transgenic <i>Arabidopsis thaliana</i>	<i>J. Expt. Botany</i> 63 DOI: 10.1093/jxb/err459)	11.53	15
217.	Rhitu Rai, Prasanta Dash, Trilochan Mohapatra and Aqbal Singh	2012	Phenotypic and molecular characterization of indigenous rhizobia modulating chickpea in India	<i>Ind. J. Exptl. Biol.</i> 50(5): 340-350	6.84	31
218.	Srinivasmurthy R., A. K. Rai, R.S. Jaat, Aqbal Singh and Rhitu Rai	2012	Isolation and screening of p _h lD+ plant growth promoting rhizobacteria antagonistic to <i>Ralstonia solanacearum</i>	<i>World J. Microbiol. and Biotechnol.</i> 28(4): 1681-90	7.78	4
219.	Sato S., Tabata, A.K. Tyagi J.P. Khurana Gaikwad K., T.R. Sharma, N.K. and Singh R.	2012	Wing (The Tomato Genome Consortium) The tomato genome sequence provides insights into fleshy fruit evolution	<i>Nature.</i> 485: 635-641. (132-138) 20	20.00	1094
220.	Kudapa, H., Bharti, A.K., Datta, S., Sharma, Gaikwad K, T.R., Singh, N.K. and Varsney, R. K.	2012	A Comprehensive Transcriptome Assembly of Pigeonpea (<i>Cajanus cajan</i> L.) using Sanger and Second Generation Sequencing	<i>Platforms Mol. Plant</i> 5: 1020-8	-	52
221.	Singh N.K., Gupta D.K., Jayaswal P.K., Mahato A.K., Dutta S., Singh S., Bhutani S., Dogra V., Singh B.P., Kumawat G., Pal J.K., Pandit A., Singh A., Rawal H., Kumar A., Rama Prashat G., Khare A., Yadav R., Raje and R.S., Singh et al.	2012	The first draft of the pigeonpea genome sequence	<i>J. Plant Biochem. Biotechnol.</i> 21: 98-112	7.09	68



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222.	Kadam S., Singh K., Shukla S., Goel S., Vikram P., Pawar V., Gaikwad K., Khanna Chopra R. and Singh N.	2012	Genomic associations for drought tolerance on the short arm of wheat chromosome 4B	<i>Funct Integr Genomics</i>	8.28	30
223.	Gupta N.C. Jain. P. K., Bhat, S.R. and Srinivasan, R.	2012	Upstream sequence of fatty acyl-CoA reductase (FAR6) of <i>Arabidopsis thaliana</i> drives wound-inducible and stem-specific expression	<i>Plant Cell Report</i> 31: 839-850	8.51	3
224.	Bhatia V, Bhattacharya R.C., Uniyal P.L., Singh R., Niranjjan R.S.	2012	Host Generated siRNAs Attenuate Expression of Serine Protease Gene in <i>Myzus persicae</i>	<i>PLoS One</i> 7(10): e46343 DOI: 10.1371	9.23	38
225.	Chakraborty K., Sairam R.K. and Bhattacharya R.C.	2012	Salinity induced expression of pyrroline-5-carboxylate synthetase determines salinity tolerance in <i>Brassica</i> spp.	<i>Acta Physiol. Plant</i> 34: 1935-41		12
226.	Chakraborty K., Sairam R.K. and Bhattacharya R.C.	2012	Differential expression of salt overly sensitive pathway genes salinity determines stress tolerance in Brassica genotypes	<i>Plant Physiology and Biochemistry</i> 51: 90-101	8.76	43
227.	Keshamma E., Rohini Sreevathsa, Manoj Kumar A., Kalpana N. Reddy, Manjulatha M., Shanmugam N. B., Kumar A.R.V. and Udayakumar M.	2012	Agrobacterium-Mediated in Planta Transformation of Field Bean (<i>Lablab purpureus</i> L.) and Recovery of Stable Transgenic Plants Expressing the cry1AcF	<i>Gene. Plant Mol. Biol. Rep.</i> 30: 67-78 DOI: 10.1007/s11105-011-0312-7	7.66	10
228.	Jyothisna P. Rao, Pushpa Agrawal, Riaz Mahmood, Rohini Sreevathsa, K. Sankara Rao, G.R. Reddy and V. V.S. Suryanarayana	2012	Tissue culture independent transformation of the forage crop sunnhemp (<i>Crotalaria juncea</i> L.): an easy method towards generation of transgenics	<i>Physiology and Molecular Biology of Plants.</i> 18(1): 51-57 DOI: 10.1007/s12298-011-0095-1	4.63	1
229.	S. Sundaresha, Rohini Sreevathsa, Gurupada B. Balol, G. Keshavareddy, K.T. Rangaswamy and M. Udayakumar	2012	A simple, novel and high efficiency sap inoculation method to screen for tobacco streak virus	<i>Physiol. Mol. Biol. Plants</i> 18(4): 365-369	4.63	3



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230.	Prajna Hegde, Vitobha Malaiyappa Choudki, Naveen Babu, Sashidhar Vudayagiri Radhakrishnan and Rohini Sreevathsa	2012	Strategies to Co-express Two Genes Encoding Functionally Related Proteins for Osmolyte Biosynthesis and Ion Homeostasis: Does the Conventional Crossing Method have an Advantage Over the Tissue Culture Technique to Develop Co-expressed Transgenics for Stress Tolerance?	<i>LS-An international Journal for Plant Sciences</i> 1(3): 192-200	-	0
231.	Giriraj Kumawat, Ranjeet S. Raje, Sefali Bhutani, Jitendra K. Pal, Amitha S.V.C.R. Mithra, Kishor Gaikwad, Tilak R. Sharma and Nagendra K. Singh	2012	Molecular mapping of QTLs for plant type and earliness traits in pigeonpea (<i>Cajanus cajan</i> L. Millsp.)	<i>BMC Genetics</i> 13:84	8.40	23
232.	Tula S., Ansari W.M., Babu A.P., Pushpalatha G., Sreenu K., Sarla N., Tuteja N., Rai V.	2013	Physiological Assessment and Allele Mining in Rice Cultivars for Salinity and Drought Stress Tolerance	<i>Vegetos</i> 26	6.00	0
233.	S. Barthakur	2013	Efficient in vitro regeneration and <i>Agrobacterium</i> mediated transformation protocol of an elite tomato cultivar (<i>Solanum lycopersicum</i> cv Pusa Gaurav)	<i>Annals of Agricultural Research (ICAR)</i> 34(2): 3.02	3.02	0
234.	Mukesh Sankar, C. Tara Satyavathi, Madan Pal Singh and C. Bharadwaj	2013	Genetic variability and association studies in pearl millet for grain yield and high temperature stress tolerance	<i>Indian J. Dryland Agric. Res.</i> 28(2): 71-76	4.70	3
235.	Praveena Deepti, K., Chowdappa, R., Mandal, P.K. and Nirmal Kumar.	2013	Development of molecular diagnostic kit for early detection of basal stem rot in oil palm (<i>Elaeis guineensis</i> Jacq)	<i>International J. Oil Palm</i> 8: 23-26	6.13	0
236.	Zhi-Lei Liu, Yuan-Jing Li, Hong-Yan Hou, Xian-Can Zhu, Vandna Rai, Xing-Yuan He, Chun-Jie Tian	2013	Differences in the arbuscular mycorrhizal fungi-improved rice resistance to low temperature at two N levels: Aspects of N and C metabolism on the plant side	<i>Plant Physiol. Biochem.</i> 71: 87-95	8.76	25



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237.	Choudhary P., Khanna S.M., Jain P.K., Bharadwaj C., Kumar J., Lakhera P.C. and Srinivasan R.	2013	Molecular Characterization of Primary Gene Pool of Chickpea Based on ISSR Markers	<i>Biochemical Genet.</i> 51: 306-322	6.87	10
238.	Kumar T., Bharadwaj C., Tara Satyavathi C. and Jain P.K.	2013	A high throughput, improved rapid and reliable genomic DNA extraction protocol from chickpea (<i>Cicer arietinum</i> L.)	<i>Vegetos</i> 26(2): 185-190	6.00	00
239.	Renu Deswal, Vivek Dogra, Raksha Singh, Ravi Gupta, Jasmeet Kaur Abat, Abhijit Sarkar, Yogesh Mishra, Vandana Rai et al.	2013	Plant proteomics in India and Nepal: current status 5 and challenges ahead	<i>Physiol. Mol. Biol. Plants</i> DOI: 10.1007/s12298-013-0198-y	-	6
240.	Natrajan, C., Gupta, V., K., Kanika and Prasanna, R.		Molecular characterization of a fungicidal endoglucanase from cyanobacterium <i>Calothrix elenkinii</i>	<i>Biochem. Genet.</i> 51: 766-779	6.87	7
241.	Dogra T., Priyadarshini A., Kanika, K., Singh A. and Singh, N.K.	2013	Identification of genes involved in salt tolerance and symbiotic nitrogen fixation in chickpea rhizobium <i>Mesorhizobium ciceri</i> Ca 181	<i>Symbiosis</i> 61: 135-143	7.44	3
242.	Mohanty, M.R., Panduranga Rao, C., Mathur, R.K., Jayanthi, M., Ashoka Rani, Y. and Mandal, P.K.	2013	Metroglyph and index score analysis of morphological variations in dura oil palms	<i>Indian Journal of Horticulture</i> 70(1): 7-12	6.13	0
243.	Jayanthi M, Sarika N, Sujatha G, Mathur R.K., Rao, C.S. and Mandal P.K.	2013	Evaluation of SSRs (microsatellites) for detecting genetic variability in oil palm (<i>Elaeis guineensis</i>) clone	<i>Current Horticulture</i> 1(1): 3-6	-	0
244.	Praveena Deepti, K., Chowdappa, R., Mandal, P.K. and Nirmal Kumar	2013	Development of molecular diagnostic kit for early detection of basal stem rot in oil palm (<i>Elaeis guineensis</i> Jacq)	<i>International J. Oil Palm</i> 8: 23-26	6.13	0
245.	Mohanty, M.R., Panduranga Rao, C., Mathur, R.K., Jayanthi, M., Ashoka Rani, Y. and Mandal, P.K.	2013	Metroglyph and index score analysis of morphological variations in dura oil palms	<i>Indian Journal of Horticulture</i> 70(1): 7-12	6.13	0



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246.	Pattanayak D., Solanke A.U. and Kumar P.A.	2013	Plant RNA Interference Pathways: Diversity in Function, Similarity in Action	<i>Plant Molecular Biology Reporter</i> 31: 493-506 DOI: 10.1007/s11105-012-0520-9	7.66	14
247.	Gorthy S., Mayandi K., Faldu D. and Dalal M.	2013	Molecular characterization of allelic variation in spontaneous brown midrib mutants of sorghum (<i>Sorghum bicolor</i> L. Moench)	<i>Molecular Breeding</i> 31: 795-803	8.25	4
248.	Dalal M., Sandeep Kumar G., Mayandi K.	2013	Identification and expression analysis of group 3 LEA family genes in sorghum [<i>Sorghum bicolor</i> L. Moench]	<i>Acta Physiologia Plantarum</i> 35:979-984	7.58	3
249.	Dalal M., Chinnusamy V. and Bansal K.C.	2013	Abiotic stress response of transgenic Arabidopsis overexpressing <i>Brassica napus</i> group 1 LEA genes	<i>Proc. Indian Natn. Sci. Acad.</i> 79: 57-64	3.93	0
250.	Jayakumar, S. and Kaur, S.	2013	Occurrence of cry genes in <i>Bacillus thuringiensis</i> (Bt) isolates recovered from phylloplanes of crops growing in the New Delhi region of India and toxicity towards Diamond-back moth (<i>Plutella xylostella</i>)	<i>J. Biol. Sci.</i> 13: 463-473 DOI: 10.3923/jbs.2013.463.473	3.38	0
251.	Katara, J., Deshmukh, R., Singh, N.K. and Kaur, S.	2013	Diversity analysis of <i>Bacillus thuringiensis</i> isolates recovered from diverse habitats in India using random amplified polymorphic DNA (RAPD) markers	<i>J. Biol. Sci.</i> 13: 514-520 DOI: 10.3923/jbs.2013.514.520	3.38	3
252.	Bhattacharya R.C., Koramutla M.K., Negi M., Pearce G. and Ryan C.A.	2013	Hydroxyproline-rich glycopeptide signals in potato elicit signalling associated with defense against insects and pathogens	<i>Plant Science</i> 207: 88-97	9.61	7
253.	S. Khomdram and S. Barthakur	2013	In situ evaluation of high temperature stress in wheat (<i>Triticum aestivum</i> L.) Validation of a portable heat trap chamber	<i>Annals of Agricultural Research</i>	3.02	0



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254.	S. Khomdram, S. Barthakur and G.A. Devi	2013	Water stress inducible proline transporter from Indica rice	<i>Annals of Agricultural Research (ICAR)</i> 34(3):	3.02	1
255.	Manjunath K.C., Mahadeva A., Rohini Sreevathsa, Ramachandra N. and Prasad T.G.	2013	In Vitro Screening and Identification of Putative Sunflower (<i>Helianthus annuus</i> L.) Transformants Expressing ECNAC1 Gene by Salt Stress Method	<i>Trends in Biosciences</i> 6(1): 108-111	2.74	0
256.	Keshavareddy G., Rohini Sreevathsa, S.V. Ramu, Sundaresha S, A.R. V. Kumar, P. Ananda Kumar and Udayakumar M.	2013	Transgenics in groundnut (<i>Arachis hypogaea</i> L.) expressing cry1AcF gene for resistance to <i>Spodoptera litura</i> (F.)	<i>Physiology and Molecular Biology of Plants</i> DOI: 10.1007/s12298-013-0182-6	4.63	5
257.	Shanmugavadeivel PS#, Amitha Mithra SV#, Prasad Dokku, Anand Raj Kumar K., Rao G.J.N., Singh V.P., Singh A.K., Singh N.K. and Mohapatra T.	2013	Mapping quantitative trait loci (QTL) for grain size in rice using a RIL population from Basmati x indica cross showing high segregation distortion	<i>Euphytica</i> 194(3): 401-416 (these authors have contributed equally)	7.39	9
258.	Pradeep Kumar Papolu, Nagavara Prasad Gantasala, Divya Kamaraju, Prakash Banakar, Rohini Sreevathsa and Uma Rao	2013	Utility of Host Delivered RNAi of Two FMRF Amide Like Peptides, flp-14 and flp-18, for the Management of Root Knot Nematode, <i>Meloidogyne incognita</i>	<i>Plos One</i> 8(11): e80603	9.23	19
259.	Nepolean T., Hossain F., Shiriga K., Mittal S., Amitha S.V. Mithra, Mohapatra T. and Gupta H.S.	2013	Unraveling the genetic architecture of subtropical maize (<i>Zea mays</i> L.) lines to assess their utility in breeding programs	<i>BMC Genomics</i> 14: 877	9.99	8
260.	Dixit NN#, Prasad Dokku#, Amitha Mithra SV#, Parida S.K., Singh A.K. and Mohapatra T.	2013	Haplotype structure in grain weight gene GW2 locus and its association with grain characteristics in rice	<i>Euphytica</i> 192(1): 55-61 (# these authors have contributed equally)	7.39	7
261.	Pushpalatha G., Sreenu K., Jain A., Suresh T., Subrahmanyam D., Ram T., Subbarao L.V., Giri A., Sarla N. and Rai V.	2014	Allele mining of salt tolerant genes in <i>O. rufipogon</i> x <i>O. Sativa</i> introgression lines and functional analysis of cis-acting regulatory elements	<i>World Res. J. Bioinf.</i>	-	0



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262.	Mukesh Sankar, C. Tara Satyavathi, S.P. Singh and Madan Pal Singh	2014	Genetic diversity analysis for high temperature stress tolerance in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br]	<i>Indian Journal of Plant Physiology (Springer)</i> 19(4): 324-329	4.66	0
263.	S. Khomdram, S. Barthakur and G.S. Devi	2014	Biochemical and Molecular Analysis of Wild Endemic Fruits of the Manipur Region of India	<i>International Journal of Fruit Science</i> 14(3): 253-266	-	3
264.	Maryam Hasan and S. Barthakur	2014	Hsp70 based gene expression biomarker shows growth stage specific genotypic diversity in Indian wheat (<i>Triticum aestivum</i> L.) cultivars	<i>Annals of Agricultural Research (Indian Council of Agricultural Research)</i> 35(3)	3.02	2
265.	Pushpalatha G., Subrahmanyam D., Sreenu K., Ram T., Subbarao L.V., Parmar B., Giri A., Sarla N. and Rai V.	2014	Effect of salt stress on seedling growth and antioxidant enzymes in two contrasting rice introgression lines	<i>Indian J. Plant Physiol.</i> 18: 360-366	4.66	0
266.	Khanna S.M., Choudhary P., Saini R., Jain, P.K. and Srinivasan R.	2014	Effect of water deficit stress on growth and physiological parameters in chickpea cultivars differing in drought tolerance	<i>Annals Biol.</i> 30: 77-84	2.98	6
267.	Nayanakantha, N.M. Chamill, Sandya Rawat, Sajad Ali and Anita Grover	2014	Defense gene induction in <i>Camelina sativa</i> upon <i>Alternaria brassicae</i> challenge	<i>Indian Phytopathology</i> 67(3): 252-256	4.59	5
268.	Nayankantha N.M.C., S. Rawat, S. Ali and A. Grover	2014	Alpha-tubulin: A more suitable internal control than Beta Actin in reverse transcription-PCR analysis of <i>Brassica juncea</i> , <i>Sinapis alba</i> and <i>Camelina sativa</i> under different experimental conditions	<i>Ann. Pl. Protec. Sci.</i> 22: 345-351	3.65	0
269.	Satheesh V., Jagannadham P.T.K., Chidambaranathan P., Jain P.K. and Srinivasan R.	2014	NAC transcription factor genes: genome-wide identification, phylogenetic, motif and cis-regulatory element analysis in pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.)	<i>Mol. Biol. Rep.</i>	8.02	4



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270.	Kohli D., Joshi G., Deokar A.A., Bhardwaj A.R., Agarwal M., Katiyar-Agarwal S. Srinivasan R. and Jain P.K.	2014	Identification and Characterization of Wilt and Salt Stress-Responsive MicroRNAs in Chickpea through High-Throughput Sequencing	<i>PLoS ONE</i> 9(10): e108851	9.23	12
271.	S. Barthakur	2014	ABA, H ₂ O ₂ differentially modulates thylakoid bound ascorbate peroxidase (TatApx) in wheat genotypes with differing drought sensitivity Annals	<i>Agricultural Research (ICAR)</i> 35: 2	3.02	0
272.	Khanna S.M., Taxak P.C., Jain P.K., Saini R. and Srinivasan R.	2014	Glycolytic Enzyme Activities and Gene Expression in Cicer arietinum Exposed to Water-Deficit Stress	<i>Appl. Biochem. Biotechnol.</i> 173: 2241-2253	7.74	7
273.	Dinabandhu A.	2014	Computational and evolutionary insights into anthocyanin biosynthesis genes between Solanaceae and Poaceae	<i>Intl. J. Bioinfo. Bio. Sc.</i> , 2: 165-177	-	1
274.	Singh R.K., Phanindra M.L.V., Singh V.K., Sonam, Raghavendrarao S., Solanke A.U.* and Kumar P.A.	2014	Isolation and characterization of drought responsive EcDehydrin7 gene from finger millet (<i>Eleusine coracana</i> (L.) Gaertn.)	<i>Indian Journal of Genetics</i> 74(4): 456-462	6.19	2
275.	Ahmed I., Solanke A.U., Deshmukh D.P., Kanakachari M., Sreevathsa R., Pattanayak D., Sharma T.R. and Kumar P.A.	2014	Isolation and characterization of Ethylene Responsive Factor (ERF) genes from brinjal	<i>Indian Journal of Horticulture</i> 71(1): 49-54	6.13	0
276.	Dhandapani G., Lakshmi Prabha A., Kanakachari M., Phanindra M.L., Prabhakaran N., Gothandapani S., Padmalatha K.V., Solanke A.U. and Kumar P.A.	2014	GhDRIN1, a novel drought-induced gene of upland cotton (<i>Gossypium hirsutum</i> L.) confers abiotic and biotic stress tolerance in transgenic tobacco	<i>Biotechnology Letters</i> DOI: 10.1007/s10529-014-1733-9	7.59	1
277.	Kanakachari M., Ahmad I., Solanke A.U., Jayabalan N. and Kumar P.A.	2014	Characterization of Antioxidant genes during Fruit Development and Ripening in Brinjal (<i>Solanum melongena</i> L.)	<i>International Journal of Current Biotechnology</i> 2(12): 29-34	-	0



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278.	Dalal M. and Inupakutika M.	2014	Transcriptional regulation of ABA core signaling component genes in sorghum (<i>Sorghum bicolor</i> L. Moench)	<i>Molecular Breeding</i> 34: 1517-1525	8.25	4
279.	Meena R.K. and Kaur S.	2014	Screening of <i>Bacillus thuringiensis</i> isolates recovered from diverse habitats in India for the presence of insect and nematode-active cry genes	<i>International Journal of Agriculture and Environmental Biotechnology</i> 7: 55-62	4.10	2
280.	Shankar, S. and Kaur S.	2014	Determination and distribution of cry1-type genes in <i>Bacillus thuringiensis</i> isolated from North India	<i>Environmental Engineering and Management Journal</i>	7.07	2
281.	Dash P.K., Cao Y., Jailani A.K., Gupta P., Venglat P., Rai R., Sharma R., Thirunavukkarasu N., Abdin M.Z., Yadav D.K., Singh N.K., Deyhlos M., Kumar P.A. and Datla R.	2014	Genome wide analysis of drought induced gene expression changes in flax (<i>Linum usitatissimum</i>)	<i>GM Crops & Food</i> 5(2): 106-119	-	5
282.	Danekar P., Tyagi A., Mahto A., Singh A., Raje R.S., Gaikwad K. and Singh N.K.	2014	Genomewide characterization of Hsp 100 family genes from pigeon pea	<i>Indian J. Genet.</i> 74(3): 325-334	6.19	0
283.	Koramutla MK, Kaur A, Negi M, Venkatachalam P, Bhattacharya RC	2014	Elicitation of jasmonate-mediated host defense in <i>Brassica juncea</i> (L.) attenuates population growth of mustard aphid <i>Lipaphis erysimi</i> (Kalt.)	<i>Planta</i> 240: 177-94 IF/5-yr IF: 3.376/	9.26	4
284.	M. Manjulatha, Rohini Sreevathsa, A. Manoj Kumar, Chinta Sudhakar, T.G. Prasad, Narendra Tuteja and M. Udayakumar	2014	Confers Improvement of Cellular Level Tolerance and Productivity Under Drought Stress Overexpression of a Pea DNA Helicase (PDH45) in Peanut (<i>Arachis hypogaea</i> L.)	<i>Molecular Biotechnology</i> 56: 111-125 DOI: 10.1007/s12033-013-9687-z	7.88	12
285.	Mahesh Patil, S.V. Ramu, P. Jathish, Rohini Sreevathsa, P. Chandrashekar Reddy, T.G. Prasad and M. Udayakumar	2014	Overexpression of AtNAC2 (ANAC092) in groundnut (<i>Arachis hypogaea</i> L.) improves abiotic stress tolerance	<i>Plant Biotechnol. Rep.</i> 8: 161-169 DOI: 10.1007/s11816-013-0305-0	7.19	4



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286.	Mohapatra T., Robin S., Sarla N., Sheshahsayee M., Singh A.K., Singh K., Singh N.K. Amitha Mithra S.V. and Sharma R.P.	2014	EMS Induced Mutants of Upland Rice Variety Nagina22: Generation and Characterization Proc.	<i>Indian Natn. Sci. Acad.</i> 80(1): 163-172	3.93	6
287.	James D., Tarafdar A., Biswas K., Sathyavathi T.C., Padaria J.C. and Kumar P.A.	2014	Development and characterization of a high temperature stress responsive subtractive cDNA library in Pearl Millet (<i>Pennisetum glaucum</i> L.R. Br.)	<i>Ind. J. Exp. Biol.</i> 50: 543-550	6.84	4
288.	B.L. Patil and C.M. Fauquet	2015	Studies on differential behavior of cassava mosaic geminivirus DNA components, symptom recovery patterns, and their siRNA profiles	<i>Virus Genes</i> 50: 474-486	7.58	10
289.	Deka S. and Barthakur S.	2015	Impact of biorational pesticides and response of annexin gene expression in tomato (<i>Solanum lycopersicum</i>) and capsicum (<i>Capsicum annum</i> L.) in biotic stress management under greenhouse condition	<i>Ann. Agric. Res.</i> 36: 233-242	2.91	0
290.	Chhapekar S., Raghavendrarao S., Pavan G., Ramakrishna C., Singh V.K., Phanindra M.L.V., Dhandapani G., Sreevathsa R. and Kumar P.A.	2015	Transgenic rice expressing a codon-modified synthetic CP4-EPSP Sconfers tolerance to broad-spectrum herbicide, glyphosate	<i>Plant Cell Rep.</i> 34: 721-731	9.07	6
291.	B.L. Patil and P. Lava Kumar	2015	Pigeonpea sterility mosaic virus: a legume-infecting Emaravirus from South Asia	<i>Molecular Plant Pathology</i> 16(8): 775-786	10.72	0
292.	B.L. Patil, J. Legg, E. Kanju and C.M. Fauquet	2015	Cassava brown streak disease: a threat to food security in Africa	<i>J. of General Virology</i> 96: 956-968	9.18	14
293.	Choudhary M., Jayanand and Padaria J.C.	2015	Transcriptional profiling in Pearl millet (<i>Pennisetum glaucum</i> L.R. Br.) for identification of differentially expressed drought responsive genes	<i>Physiol. Mol. Biol. Plants</i> 21: 187-196	4.63	5



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294.	B.L. Patil and C.M. Fauquet	2015	Light intensity and temperature affect systemic spread of silencing signal in transient agro-infiltration studies	<i>Molecular Plant Pathology</i> 16(5): 484-494	4.7	8
295.	Waditee-Sirisattha R., Kageyama H., Fukaya M., Rai V. and Takabe T.	2015	Nitrate and amino acid availability affects glycine betaine and mycosporine-2-glycine in response to changes of salinity in a halotolerant cyanobacterium <i>Aphanothece halophytica</i>	<i>FEMS Microbiol. Lett.</i> 362	8.12	0
296.	Dinabandhu A.	2015	A comprehensive computational analysis of cis-regulatory elements for anthocyanin pathway genes in Tomato (<i>Solanum lycopersicum</i> L.)	<i>Current Biotica</i> 8(4): 351-358	3.68	1
297.	Deokar A.A., Kondawar V., Kohli D., Aslam M., Jain P.K., Karuppayil M., Varshney R.K. and Srinivasan R.	2015	The CarERF genes in chickpea (<i>Cicer arietinum</i> L.) and the identification of CarERF116 as abiotic stress responsive transcription factor	<i>Funct Integr Genomics</i> 15: 27-46 DOI: 10.1007/s10142-014-0399-7	8.48	7
298.	Dash P.K., Gupta P. and Rai R.	2015	Hydroponic method of halophobic response elicitation in flax (<i>Linum usitatissimum</i>) precise downstream gene expression studies	<i>Intl. J. Trop. Agril.</i> 5: 1-7	3.03	0
299.	Dinabandhu A. and Mahapatro G.K.	2015	Anthocyanins in plants- a precious gift of nature	<i>Current Biotica</i> 8(4): 341-344	3.68	0
300.	Singh N., Jayaswal P.K., Panda K., Mandal P., Kumar V., Singh B., Mishra S., Singh Y., Singh R., Rai V., Gupta A., Raj Sharma T. and Singh N.K.	2015	Single-copy gene based 50K SNP chip for genetic studies and molecular breeding in rice	<i>Sci. Rep.</i> DOI: 10.1038/srep11600	-	21
301.	Ram Kumar, Sreenu K., Nisha Singh, Neha Jain, Nagendra K. Singh and Vandna Rai	2015	Effect of drought stress on contrasting cultivars of rice	<i>IJTA</i> 33: 1559-1564	3.03	1



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302.	Rai V., Sanagala R., Sinilal B., Yadav S., Sarkar A.K., Dantu P.K. and Jain A.	2015	Iron availability affects phosphate deficiency-mediated responses, and evidences of cross talk with auxin and zinc in <i>Arabidopsis</i>	<i>Plant Cell Physiol.</i> 56(6): 1107-23 DOI: 10.1093/pcp/pcv035	-	8
303.	Laloknam S., Kanchitanurak P., Boonburapong B., Rai V. and Kongwitthaya S.	2015	Inorganic and organic compounds of freshwater filamentous cyanobacteria under normal and salt stress conditions	<i>J. Chem. Chem. Eng.</i> (in press)	-	2
304.	Sreenu K., Pushpalatha G., Subrahmanyam D., Brajendra P., Ram T., Sarla N. and Rai V.	2015	Effect of drought stress on morphophysiological and biochemical responses on introgression lines of KMR x <i>O. rufipogon</i> and Swarna x <i>O. nivara</i>	<i>Ann. Plant Soil Res.</i>	3.66	0
305.	Tiwari K.K., Singh A., Pattnaik S., Sandhu M., Kaur S., Jain S., Tiwari S., Mehrotra S., Anumalla M., Samal R., Bhardwaj J., Dubey N., Sahu V., Kharshing G.A., Zeliang P.K., Sreenivasan K., Kumar P., Parida S.K., Mithra S.V.A., Rai V., Tyagi W., Agrawal P.K. et al.	2015	Identification of a diverse mini-core panel of Indian rice germplasm based on genotyping using microsatellite markers	<i>Plant Breed.</i> DOI: 10.1111/pbr.12252	-	4
306.	Grover A.	2015	Targeting of calcium-sensing protein cameleon from cytoplasm to nucleus. Journal of Plant Biochemistry and Biotechnology	<i>J. Plant Biochem. Biotechnol.</i> 24(3): 365-368	7.09	0
307.	Singh A., Kumar K., Pandey A.K., Sharma A., Singh S.B., Kanika K., Arora A. and Nain L.	2015	Pyrene Degradation by Biosurfactant Producing <i>Bacterium Stenotrophomonas maltophilia</i>	<i>Agricultural Research</i> 4(1): 42-47	5.88	3
308.	Singh A., Singh D.P., Tiwari R., Kanika K., Singh R.V., Singh S., Prassana R., Saxena A.K. and Nain L.	2015	Taxonomic and functional annotation of gut bacterial communities of <i>Eisenia foetida</i> and <i>Perionyx excavates</i>	<i>Microbiol. Res.</i> DOI: 10.1016/j.micres.2015.03.003	8.56	4
309.	Reddy S.V.R., Sharma R.R., Barthakur S. and Srivastava M.	2015	An efficient and rapid method for the isolation of RNA from different recalcitrant tissues of mango (<i>Mangifera indica</i> L.)	<i>J. Hort. Sci. Biotechnol.</i> 90: 285-290	6.54	0



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310.	Sinha S.K., Rani M., Bansal N., Gayatri, Venkatesh K. and Mandal P.K.	2015	Nitrate Starvation Induced Changes in Root System Architecture, Carbon-Nitrogen Metabolism and miRNAs Expression in Nitrogen Responsive Wheat Genotypes	<i>Appl. Biochem. Biotechnol.</i> 177: 1299-1312	7.74	1
311.	Singh S., Chand S., Singh N.K. and T.R. Sharma	2015	Genome-wide distribution, organisation and functional characterization of disease resistance and defence response genes across rice species	<i>PLoS ONE</i> 10: e0125964	9.23	4
312.	Singh W.H., Kapila R.K., Sharma T.R. and Rathour R.	2015	Genetic and physical mapping of a new allele of Pik locus from japonica rice 'Liziangxintuanheigu	<i>Euphytica</i> DOI: 10.1007/s10681-015-1437-9	7.39	2
313.	Jayanthi, M., Susanthi B., Murali Mohan N. and Mandal, P.K.	2015	In vitro somatic embryogenesis and plantlet regeneration from immature male inflorescence of adult dura and tenera palms of <i>Elaeis guineensis</i> (Jacq)	<i>Springer Plus</i> 4: 256 DOI: 10.1186/s40064-015-1025-4	-	4
314.	Singh R.K., Singh V.K., Raghavendrarao S., Phanindra M.L.P., Venkat Raman K., Solanke A.U., Kumar P.A. and Sharma T.R.	2015	Expression of Finger Millet EcDehydrin7 in Transgenic Tobacco Confers Tolerance to Drought Stress	<i>Applied Biochemistry and Biotechnology</i> 177(1): 207-216	7.74	5
315.	Panwar, B.S., Narula, R.K. and Kaur, S.	2015	Theoretical 3D modeling of a novel Cry toxin isolated from native <i>Bacillus thuringiensis</i> isolate SK-711	<i>Indian Journal of Entomology</i> (in press)	4.30	0
316.	M.S. Nimmy, V. Kumar, A.K. Singh, P.K. Jain and R. Srinivasan.	2015	Expression analysis of a MATE-type transporter gene of <i>Arabidopsis</i> and its orthologues in rice and chickpea under salt stress	<i>Indian Journal of Genetics</i> 75(4): 478-485 DOI: 10.5958/0975-6906.2015.00076.0	6.19	2
317.	Savadi, S., Naresh, V., Kumar, V., Dargan, S., Gupta, N.C., Chamola, R. and Bhat, S.R.	2015	Effect of overexpression of <i>Arabidopsis thaliana</i> SHB1 and KLUH genes on seed weight and yield contributing traits in Indian mustard (<i>Brassica juncea</i> L. (Czern.)	<i>Indian J. Genet.</i> 75(3): 349-356	6.19	2



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318.	Chaduvula, P.K. and Bhati, J. and Rai, A. and Gaikwad, K. et al.	2015	In-silico expressed sequence tag analysis in identification and characterization of salinity stress responsible genes in <i>Sorghum bicolor</i>	<i>Australian Journal of Crop Science</i> 9(9): 799-806	4.0	1
319.	Madhav M.S., Siva Raju K., Gaikwad K., Vishalakshi B., Murthy T.G.K. and Umakanth B.	2015	Development of new set of microsatellite markers in cultivated tobacco and their transferability in other <i>Nicotiana</i> spp.	<i>Mol. Breeding</i> 6: 1-13(8.25)	8.25	0
320.	Kumar S., Kanakachari M., Dhandapani G., Kumar K., Prabhakaran N., Padmalatha K.V., Solanke A.U., Gamanagatti S., Hiremath V., Katageri I.S., Leelavathi S., Kumar P.A. and Reddy V.S.	2015	Genome wide transcriptomic and proteomic analyses of bollworm-infested developing cotton bolls revealed the genes and pathways involved in the insect pest defence mechanism	<i>J. Plant Biotechnol.</i> DOI: 10.1111/pbi.12508. (6.87)	11.75	0
321.	Maibam Albert, Gaikwad K. and Singh N.K.	2015	Genome-wide identification and characterization of heat shock factor genes from pigeonpea (<i>Cajanus cajan</i> (L.)	<i>Mills Molecular Plant Breeding</i> 6(7): 1-11	-	0
322.	Savadi, S., Naresh, V., Kumar, V., Dargan, S., Gupta, N.C., Chamola, R. and Bhat, S.R.	2015	Effect of overexpression of Arabidopsis thaliana SHB1 and KLUH genes on seed weight and yield contributing traits in Indian mustard (<i>Brassica juncea</i> L. (Czern.)	<i>Indian J. Genet.</i> 75(3): 349-356	6.19	2
323.	Bhatia V., Maisnam J., Jain A., Sharma K.K., Bhattacharya R.C.	2015	Aphid-repellent pheromone E-β-farnesene is generated in transgenic Arabidopsis thaliana over-expressing farnesyl diphosphate synthase2	<i>Annals of Botany</i> 115(4): 581-91 DOI: 10.1093/aob/mcu250) IF/5-yr IF: 3.65/4.33	9.65	4
324.	Padaria J.C., Yadav R., Yadav A. and Kumar K.	2015	Cloning, expression and characterization of drought responsive NAC transcription factor from <i>Ziziphus nummularia</i>	<i>Internat J. Tropical Agric</i> 33: 2987-2998	3.03	0
325.	Padaria JC, Thuy NT, Tarafdar A & Yadav R	2015	Development of a heat-responsive cDNA library from <i>Prosopis cineraria</i> and molecular characterization of the Pchsp17.9 gene	<i>J. Hort. Sci. Biotechnol.</i> 90: 318-324	6.54	0



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326.	Vinod Kumar±, Anshuman Singh±, S.V. Amitha Mithra±, S.L. Krishnamurthy, Swarup K. Parida, Sourabh Jain, Kapil K. Tiwari, Pankaj Kumar, Atmakumari R. Rao, S.K. Sharma, Jitendra P. Khurana, Nagendra K. Singh, and Trilochan Mohapatra	2015	Genome-wide association mapping of salinity tolerance in rice (<i>Oryza sativa</i>)	<i>DNA Research</i> 22(2): 133-145 DOI: 10.1093/dnares/dsu046 ± these authors have contributed equally	11.48	35
327.	Lima J.M., P. Dokku, M. Nath, K.P. Kulkarni, C. Vishwakarma, S.P. Sahoo, Uma B., Amitha Mithra S.V., S. Robin S., N. Sarla, M. Sheshashayee, A.K. Singh, N.K. Singh, R.P. Sharma and Trilochan Mohapatra	2015	Multiple morpho-physiological, anatomical and transcriptional alterations in a mutant of upland rice variety Nagina 22 showing enhanced moisture-deficit stress tolerance	<i>AOB plants</i> DOI: 10.1093/aobpla/plv023	8.27	2
328.	K.K. Tiwari, S. Pattnaik, A. Singh, M. Sandhu, S.V.A. Mithra, M.Z. Abdin, Singh A.K. and Mohaptara T.	2015	Allelic variation in the microsatellite marker locus RM6100 linked to fertility restoration of WA based male sterility in rice	<i>Indian Journal of Genetics and Plant Breeding</i> 74(4)	6.19	1
329.	Vijayan J., Devanna B.N., Singh N.K. and T.R. Sharma	2015	Cloning and functional validation of early inducible Magnaporthe oryzae responsive CYP76M7 promoter from rice	<i>Front Plant Sci.</i> 6: 371	9.95	3
330.	Khomdram S. and Barthakur S.	2015	In situ evaluation of high temperature stress in wheat (<i>Triticum aestivum</i> L.) - Validation of a portable heat trap chamber	<i>Ann. Agric. Res.</i> 36: 123-131	3.02	
331.	Vinod Kumar, M.S. Nimmy, S.K. Lenka, A.K. Singh and K.C. Bansal	2015	Expression analysis of <i>Arabidopsis thaliana</i> sos101 gene and its orthologues in three rice genotypes with differing salt tolerance	<i>Oryza- An International Journal on Rice</i> 52(1): 1-9. Print ISSN: 0474-7615. Online ISSN: 2249-5266	4.12	0



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332.	Khanna A., Sharma V., Ellur R.K., Shikari A.B., Gopala Krishnan S., Singh U.D., Prakash G., Sharma T.R., Rathour R., Variar M., Prashanthi S.K., Nagarajan M., Vinod K.K., Bhowmick P.K., Singh N.K., Prabhu K.V., Singh B.D. and Singh A.K.	2015	Development and evaluation of near isogenic lines for major blast resistance gene(s) in Basmati rice	<i>Theor. Appl. Genet.</i> DOI: 10.1007/s00122-015-2502-4	9.97	22
333.	Dinabandhu A. and Gupta B.B.	2016	Expression profiling of anthocyanin pathway genes in popular tomato cultivars of India	<i>Current Biotica</i> 9(4): 306-312	3.68	0
334.	Koramutla M.K., Bhatt D., Negi M., Venkatachalam P., Jain P.K. and Bhattacharya R.C.	2016	Strength, stability, and cis-motifs of in silico identified phloem-specific promoters in <i>Brassica juncea</i> (L.)	<i>Front Plant Sci.</i> DOI: 10.3389/fpls.2016.00457	9.95	0
335.	Kumar A., Kohli D., Joshi I., Satheesh V., Abdin M.Z., Sirohi A., Srinivasan R. and Jain P.K.	2016	Characterization of root-knot nematode responsive and root-specific promoter containing PIN domain from <i>Arabidopsis thaliana</i> (L.)	<i>Heynh. Ind. J. Genet. Plant Breeding</i> 76: 75-83	6.19	0
336.	C. Karthikeyan, B.L. Patil, B.K. Borah, T. R. Resmi, S. Turco, M.M. Pooggin, T. Hohn and K. Veluthambi	2016	Emergence of a latent Indian cassava mosaic virus from cassava which recovered from infection by a non-persistent Sri Lankan cassava mosaic virus	<i>Viruses</i> 8(10): 264 DOI: 10.3390/v8100264	9.35	0
337.	Vemanna V.S., Swetha T.N., Sheela S.H., Babitha C.K., Sreevathsa R., Reddy M.K., Tuteja N., Reddy C.P., Prasad T.G. and Udaya Kumar M.	2016	Simultaneous expression of regulatory genes associated with specific drought adaptive traits improves drought adaptation in peanut	<i>Plant Biotech. J.</i> 14: 1008-1020	11.75	1
338.	Lone S.A., Yadav R., Malik A. and Padaria J.C.	2016	Molecular and insecticidal characterization of Vip3A protein producing <i>Bacillus thuringiensis</i> strains toxic against <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae)	<i>Can. J. Microbiol.</i> 62: 179-190	7.22	0



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339.	Chidambaranathan P., Jagannadham P.T.K., Satheesh V., Jain P.K. and Srinivasan	2016	Expression analysis of six chromatin and remodeling complex genes (SWR1) in chickpea in different tissues and during heat stress	<i>Indian J. Genet. Pl. Breed.</i> 76: 47-56	6.19	0
340.	Singh B.P., Singh B., Mishra S., Kumar V. and Singh N.K.	2016	Genetic diversity and population structure in Indian wild rice accessions	<i>Aus. J. Crop Sci.</i> 10: 144-151	4.00	0
341.	M.S. Nimmy and V. Kumar	2016	Identification and expression analysis of six salt inducible genes in chickpea which are <i>Arabidopsis</i> orthologs	<i>Indian Journal of Plant Physiology Springer</i> 21(3): 362-365	4.66	0
342.	Negi M., Sanagala R., Rai V. and Jain A.	2016	Deciphering phosphate deficiency-mediated temporal effects on different root traits in rice grown in a modified hydroponic system	<i>Front Plant Sci.</i> (in press)	9.95	-
343.	Mohanrao M.M., Singh D.P., Kanika K., Goyal E. and Singh A.K.	2016	Deciphering the microbial diversity of Tattapani hot water spring using metagenomic approach	<i>Internat J. Agric. Sci. Res.</i> 6: 371-382	3.53	0
344.	Muthusamy S.K., Dalal M., Chinnusamy V. and Bansal K.C.	2016	Identification and expression analysis of class I Caseinolytic protease (Clp) genes in wheat	<i>Front Plant Sci.</i>	9.95	0
345.	H. Wagaba, B.L. Patil, S. Mukasa, T. Alicai, C.M. Fauquet and N.J. Taylor	2016	Artificial microRNA-derived resistance to Cassava brown streak disease	<i>Journal of Virological Methods</i> 231: 38-43	7.78	3
346.	B.L. Patil*, B. Bagewadi, J.S. Yadav and C.M. Fauquet	2016	Mapping and identification of cassava mosaic geminivirus genome sequences for efficient siRNA expression and RNAi based virus resistance by transient agro-infiltration studies	<i>Virus Research</i> 213: 109-115	8.32	3
347.	Mishra S., Singh B., Misra P., Rai V. and Singh N.K.	2016	Haplotype distribution and association of candidate genes with salt tolerance in Indian wild rice germplasm	<i>Plant Cell Reports</i>	9.07	0
348.	Zargar S.M., Gupta N., Mir R.A. and Rai V.	2016	Shift from gel based to gel free proteomics to unlock unknown regulatory network in plants: A comprehensive review	<i>SOJ Biotechnology</i>	-	0



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349.	Mishra S., Singh B., Panda K., Singh B.P., Singh N., Misra P., Rai V. and Singh N.K.	2016	Association of SNP Haplotypes of HKT Family Genes with Salt Tolerance in Indian Wild Rice Germplasm	<i>Rice</i> 9(1): 15	9.92	4
350.	Mishra P., Mishra, V., Takabe, T., Rai, V. and Singh, N.K.	2016	Elucidation of salinity stress-responsive metabolic pathways in contrasting rice genotypes	<i>Plant Cell Rep.</i> 35: 1273-1286	9.07	
351.	Negi, M., Sanagala, R. R., Rai V. and Jain, A.	2016	An efficient hydroponic system for dissecting phosphate deficiency mediated temporal effects on different root traits in rice.	<i>Front. Plant Sciences</i>	9.95	0
352.	Pushpalatha Ganeshan, Ajay Jain, Brajendra Parmar, A.R. Rao, K. Sreenu, Pragya Mishra, Sukumar Mesapogu, D. Subrahmanyam, T. Ram, N. Sarla and Vandna Rai	2016	Identification of salt tolerant rice lines among interspecific BILs developed by crossing <i>Oryza sativa</i> x <i>O. rufipogon</i> and <i>O. sativa</i> x <i>O. nivara</i>	<i>Aust. J. Crop Science</i> 10: 220-228	4.00	2
353.	Suneha Goswami, Ranjeet R. Kumar, Kavita Dubey, Jyoti P. Singh, Sachidanand Tiwari, Ashok Kumar, Shuchi Smita, Dwijesh C. Mishra, Sanjeev Kumar, Monendra Grover, Jasdeep C. Padaria, Yugal K. Kala, Gyanendra P. Singh, Himanshu Pathak, Viswanathan Chinnusamy, Anil Rai, Shelly Praveen and Raj D. Rai	2016	SSH analysis of endosperm transcripts and characterization of heat stress regulated expressed sequence tags in bread wheat	<i>Frontiers in Plant Science</i> 7: 1230	9.95	1
354.	Sundaresha S., Sreevathsa R., Appanna V.K., Arthikala M.K., Shanmugam N.B., Shashibhushan N.B., Hari Kishore C.M., Pannerselvam R., Kirti P.B. and Udaya Kumar M.	2016	Co-overexpression of Brassica juncea NPR1 (BjNPR1) and <i>Trigonella foenum-graecum</i> defensin (Tfgd) in transgenic peanut provides comprehensive but varied protection against <i>Aspergillus flavus</i> and <i>Cercospora arachidicola</i>	<i>Plant Cell Rep.</i> DOI: 10.1007/s00299-016-1945-7	9.07	0



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355.	Mahajan M.M., Singh D.P., Kanika K., Goyal E. and Amit S.K.	2016	Deciphering the molecular diversity of Tattapani hot water spring using metagenomic approach	<i>International Journal of Agricultural Science and Research</i> 6: 371-382	3.35	0
356.	Padaria J.C., Yadav R., Tarafdar A., Lone S.A., Kanika K., Sivalingam P.N.	2016	Molecular cloning and characterization of drought stress responsive abscisic acid-stress-ripening (Asr 1) gene from wild jujube, <i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn	<i>Molecular Biology Reports</i> DOI: 10.1007/s11033-016-4013-z	8.02	0
357.	Goyal E., Amit S.K., Singh R.K., Mahato A.K., Chand S. and Kanika K.	2016	Transcriptome profiling of the salt-stress response in <i>Triticum aestivum</i> cv. Kharchia Local	<i>Scientific Report</i> 6: 27752 doi10.1038/srep27752	11.58	0
358.	Rameshwar T., Kanika K., Surender S., Lata N. and Pratyooosh S.	2016	Molecular Detection and Environment-Specific Diversity of Glycosyl Hydrolase Family 1 β -Glucosidase in Different Habitats	<i>Front. Microbiol.</i> http://dx.doi.org/10.3389/fmich.2016.01597	9.99	0
359.	Kiran K., Rawal H.C., Dubey H., Jaswal R., Devanna B.N., Gupta D.K., Bhardwaj S.C., Prasad P., Pal D., Chhuneja P., Balasubramanian P., Kumar J., Swami M., Solanke A.U., Gaikwad K., Singh N.K. and Sharma T.R.	2016	Draft genome of the wheat rust pathogen (<i>Puccinia triticina</i>) unravels genome-wide structural variations during evolution	<i>Genome Biology and Evolution</i> 8(9): 2702-21 DOI: 10.1093/gbe/evw197	10.1	0
360.	Muthusamy S.K., Dalal M., Chinnusamy V., Bansal K.C.	2016	Differential regulation of genes coding for organelle and cytosolic ClpATPases under biotic and abiotic stresses in wheat	<i>Front Plant Sci.</i> 7 http://dx.doi.org/10.3389/fpls.2016.00929	9.95	4.45
361.	Rakshit S., Swapna M., Dalal M., Sushma G., Ganapathy K.N., Dhandapani A., Karthikeyan M. and Talwar H.S.	2016	Post-flowering drought stress response of post-rainy sorghum genotypes	<i>Ind. J. Plant Physiol.</i> 21: 8-14	4.66	0



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
362.	Pragya Mishra P., Mishra V., Takabe T., Rai V. and Singh N.K.	2016	Elucidation of salt-tolerance metabolic pathways in contrasting rice genotypes and their segregating progenies	<i>Plant Cell Rep.</i> DOI: 10.1007/s00299-016-1959-1	9.07	0
363.	Farooq, M., Gogoi, N., Barthakur, S., Baroowa, B., Bharadwaj, N., Alghamdi, S.S. and Siddique, K.H.M.	2016	Drought Stress in Grain Legumes during Reproduction and Grain Filling	<i>J. Agro. Crop Sci.</i> DOI: 10.1111/jac.12169	8.44	9
364.	Katara, J.L., Kaur*, S., Kumari, G.K. and Singh, N.K.	2016	Prevalence of cry2-type genes in <i>Bacillus thuringiensis</i> isolates recovered from diverse habitats in India and isolation of a novel cry2Af2 gene toxic to <i>Helicoverpa armigera</i> (cotton boll worm)	<i>Canadian Journal of Microbiology</i> 62(12): 1003-1012	7.22	0
365.	Prasanta K. Dash and Rhitu Rai	2016	Translating the banana genome to delineate stress resistance, dwarfing, parthenocarpy and mechanisms of fruit ripening	<i>Frontiers in Plant Sciences</i> 7: 1543	9.95	0
366.	Kaila T., Chaduvula P.K., Saxena S., Bahadur K., Gahukar S.J., Chaudhury A., Sharma T.R., Singh N.K. and Gaikwad K.	2016	Chloroplast Genome Sequence of pigeonpea (<i>Cajanus cajan</i> (L.) Millspaugh) and <i>Cajanus scarabaeoides</i> : Genome organization and Comparison with other legumes	<i>Front. Plant Sci.</i> 7: 1847	9.95	0
367.	Bhati J., Chaduvula K.P., Rai A., Gaikwad K.	2016	In-Silico Prediction and Functional Analysis of Salt Stress Responsive Genes in Rice (<i>Oryza sativa</i>)	<i>J. Rice. Res.</i> 4: 164	-	0
368.	Koramutla M.K., Aminedi R., Bhattacharya R.C.	2016	Comprehensive evaluation of candidate reference genes for qRT-PCR studies of gene expression in mustard aphid, <i>Lipaphis erysimi</i> (Kalt)	<i>Scientific Reports</i> 6: 25883 DOI: 10.1038/srep25883	11.58	2
369.	Koramutla M., Bhat D., Negi M., Venkatachalam P., Jain P.K. and Bhattacharya R.C.	2016	Strength, stability and cis-motifs of in silico identified phloem-specific promoters in <i>Brassica juncea</i> (L.)	<i>Front. Plant Sci.</i> 7: 457 DOI: 10.3389/fpls.2016.00457	9.95	0



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
370.	Amitha Mithra S.V., M. Kar, T. Mohapatra, S. Robin, N. Sarla, M. Seshashayee, K. Singh, A.K. Singh, N.K. Singh and R.P. Sharma	2016	DBT propelled national effort in creating mutant resource for functional genomics in rice	<i>Current Science</i> 110(4): 543-548	6.93	1
371.	Tiwari S., Krishnamurthy S.L., Singh B., Amitha Mithra S.V., Atmakumari R. Rao and Singh N.K.	2016	Mapping QTLs for salt tolerance in rice (<i>Oryza sativa</i> L.) by Bulk Segregant Analysis of recombinant inbred lines using 50K SNP chip	<i>PLoS ONE</i> 11(4): e0153610 DOI: 10.1371/journal.pone.0153610	9.23	4
372.	Thakur S., Singh P.K., Das A., Rathour R., Variar M., Prashanthi S.K., Singh A.K., Singh U.D., Chand D., Singh N.K. and Sharma T.R.	2015	Extensive sequence variation in rice blast resistance gene Pi54 makes it broad spectrum in nature	<i>Front Plant Sci.</i> DOI: 10.3389/fpls.2015.00345	9.95	8
373.	Phukan D., Goyal V., Palit P., Kalia R., Kounda M., S.V.A. Mithra, Ravi I., Yadava D.K., Chinnusamy V. and Mohapatra T.	2016	Expression analysis of candidate genes for abiotic stress tolerance in oilseed Brassica genotypes with contrasting osmotic stress toleranc	<i>Indian J. Expt. Biol.</i> (Accepted and in press; ISI: 0.835)	6.84	0
374.	Patil B.L., Bagewadi B., Yadav J.S. and Fauquet C.M.	2016	Mapping and identification of cassava mosaic Gemini virus genome sequences for efficient siRNA expression and RNAi based virus resistance by transient agro-infiltration studies	<i>Virus Res.</i> 213: 109-115	8.32	3
375.	Pandey S., Gulati S., Goyal E., Singh S., Kanika K., Nain L. and Saxena A.K.	2016	Construction and screening of metagenomic library derived from soil for β -1, 4-endoglucanase gene	<i>Biocat Agric Biotechnol</i> DOI: 10.1016/j.bcab.2016.01.008	-	2
376.	Phukan D., Singh B., Ravi I., S.V.A. Mithra, Yadava D.K., Chinnusamy V. and Mohapatra T.	2016	Cloning and Characterization of drought stress-induced NAC transcription factors from <i>Brassica juncea</i> and <i>Sinapsis alba</i>	<i>Indian J. Genet.</i> 76(3): 233	6.19	0
377.	C. Prakash, Amitha Mithra S.V.*, P.K. Singh, T. Mohapatra and N.K. Singh	2016	Unraveling the molecular basis of oxidative stress management in a drought tolerant rice genotype Nagina 22	<i>BMC Genomics</i> 17(1): 774	9.99	0



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
378.	Rani R., Yadav P., Kulkarni K.M., Baliyan N., Malhotra E.V., Singh B.K., Kumar A. and Singh D.	2016	CRISPR/Cas9: A promising way to introduce genetic variation in plants	<i>Biotechnology Letters</i> 38(12): 1991-2006	7.59	2
379.	Singh B.K., Mishra D.C., Yadav S., Ambawat S., Vaidya E., Tribhuvan K.U., Kumar A., Kumar S., Kumar S., Chaturvedi K.K., Rani R., Yadav P., Rai A., Singh V.V., Rai P.K. and Singh D.	2016	Identification, characterization, validation and cross-species amplification of genic-SSRs in Indian Mustard (<i>Brassica juncea</i>)	<i>Journal of Plant Biochemistry and Biotechnology</i> 24(4): 410-420	7.09	2
380.	Sharma N., Kaur R. and Vaidya E.	2016	Potential of RAPD versus ISSR markers for assessing genetic diversity among <i>Stevia rebaudiana</i> accessions	<i>Indian Journal of Biotechnology</i> 15: 95-100	6.39	0
381.	Yadav P., Vaidya E., Rani R., Yadav N.K., Singh B.K., Rai P.K. and Singh D.	2016	Recent perspective of next generation sequencing: applications in molecular plant biology and crop improvement	<i>Proceedings of the National Academy of Sciences, India, Section B</i> , DOI: 10.1007/s40011-016-0770-7	6.00	0
382.	Vaidya E., Kaur R., Kumar K. and Sharma N.	2015	Exploitation of Malus ESTs for development of SSR markers after in silico analysis	<i>Journal of Applied Botany and Food Quality</i> 88: 164-169	6.76	0
383.	Vaidya E., Kaur R. and Bhardwaj S.V.	2012	Data mining of ESTs to develop dbEST-SSRs for use in a polymorphism study in cauliflower (<i>Brassica oleracea</i> var. botrytis)	<i>Journal of Horticultural Science and Biotechnology</i> 87(1): 57-63	6.54	3
384.	Aftab Hussain I.S., Pavithra H.V., Rohini Sreevathsa, Nataraja K.N. and Naveen Babu	2016	Development of transgenic pigeon pea (<i>Cajanus cajan</i> L.) overexpressing citrate synthase gene for high phosphorous uptake	<i>Indian Journal of Experimental Biology</i> 54: 493-501	6.84	0

Faculty Profile

(i) Professors

S. No.	Name of the Professor	Period
1.	Dr. K.C. Bansal	1-11-2005 to 27-10-2010
2.	Dr. Srinivasan	9-11-2010 to 28-02-2015
3.	Dr. S.R. Bhat	23-04-2015 to 29-2-2016
4.	Dr. R.C. Bhattacharya	26-04-2016 to Till Date



(ii) Project Directors

S. No.	Name of the Project Directors	Period
1.	Dr. P. Anand Kumar	2007 to 2012
2.	Dr. Srinivasan (Acting)	2012 to 2014
3.	Dr. T.R. Sharma	2014 to Till Date

iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. T. R. Sharma	Ph.D.	Plant Biotechnology	38	69
2.	Prof. Nagendra Singh	Ph.D.	Structural and Functional Genomics	47	-
3.	Dr. Sarvjeet Kaur	Ph.D. Biochemistry	Molecular Biology	7	7
4.	Dr. Anita Grover	Ph.D.	Biochemistry	6	5
5.	Dr. Ramcharan Bhattacharya	Ph.D. Molecular Biology & Biotechnology	Molecular Biology and Biotechnology	12	15
6.	Dr. P.K. Mandal	Ph.D. Biochemistry	Plant Biochemistry and Molecular Biology	7	5
7.	Dr. Pradeep Kumar Jain	Ph.D. Plant Molecular Biology	Biotechnology	12	15
8.	Dr. Jasdeep Chatrath Padaria	Ph.D. Molecular Biology & Biotechnology	Molecular Biology and Plant Biotechnology	6	4
9.	Dr. Debasis Pattanayak	Ph.D.	-	10	10
10.	Dr. Tapan Kumar Mondal	Ph.D.	-	17	-
11.	Dr. B.L. Patil	Ph.D.	Molecular Plant Biology and Plant Virology	14	17
12.	Dr. Kishor Gaikwad	Ph.D. Molecular Biology & Biotechnology	Molecular Biology and Biotechnology	24	27
13.	Dr. Rekha Kansal	Ph.D. Biochemistry	Molecular Biology	7	5
14.	Dr. Kanika	Ph.D.	Molecular Biology	4	3
15.	Dr. Monika Dalal	Ph.D.	Molecular biology and Biotechnology	9	9
16.	Dr. Kanika	Ph.D.	Molecular Biology	4	3



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
17.	Dr. Sharmistha Barthakur	Ph.D.	Plant Molecular Biology	7	5
18.	Dr. Amolkumar U. Solanke	Ph.D.	Plant Molecular Biology	10	10
19.	Dr. Rhitu Rai	Ph.D. Molecular Biology and Biotechnology	Plant microbe/ pathogen interaction	4	3
20.	Dr. S.V. Amitha C.R. Mithra	Ph.D.	Genetics	6	2
21.	Dr. Vandana Rai	Ph.D.	Plant Sciences	11	11
22.	Dr. N.C. Gupta	Ph.D.	Plant Molecular Biology and Biotechnology	3	0
23.	Dr. Aumreetam Dinabandhu	Ph.D.	Molecular Biology and Biotechnology	-	-
24.	Dr. Nimmy. M.S.	Ph.D.	Molecular Biology and Biotechnology	1	-
25.	Dr. Era Vaidya Malhotra	Ph.D.	Molecular Biology and Biotechnology	2	0
26.	Dr. Deepak Singh Bisht	Ph.D.	Molecular Biology and Biotechnology	-	-



Plant Physiology

V.P. Singh and Lekshmy S.

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1.	2007	Pushpalatha P.	Physiological analysis of high temperature effects on photosynthesis in wheat	Dr. M.C. Ghildiyal	-
2.	2008	G. Sivaprakasam	Regulation of flower senescence by spermine in <i>Gladiolus</i>	Dr. V.P. Singh	-
3.	2008	D. Kumutha	Physiological and molecular studies on water-logging tolerance in green gram. (<i>Vigna radiate</i> (L.) wilczek.)	Dr. R.K. Sairam	-
4.	2009	Vikas V.K.	Programmed cell death during petal senescence in gladiolus (<i>Gladiolus grandiflora</i> H.)	Dr. V.P. Singh	-
5.	2009	Dhandapani R.	Nutritional variation and characterization of carotenoid biosynthetic pathway in Banana. (<i>Musa</i> sp.) cultivars	Dr. V.P. Singh	-
6.	2009	Kiran Pandurang Bhagat	Physiological and biochemical studies on lodging tolerance wheat genotypes (<i>Triticum aestivum</i> L.)	Dr. R.K. Sairam	-
7.	2009	Vasanthan B.	Role of calcium in regulating flower senescence in gladiolus (<i>Gladiolus grandiflora</i> H.)	Dr. R.K. Sairam	-
8.	2010	G.P. Singh	To study the involvement of jasmonic acid in natural and induced senescence in chickpea	Dr. R.K. Sairam	-
9.	2010	Ahmed Aien	Impact of high temperature and CO ₂ on physiological and biochemical characteristics of potato cultivars	Dr. Madan Pal Singh	-
10.	2010	Kaushik Chakraborty	Physiological and molecular characterization of salinity stress tolerance in (<i>Brassica</i> spp.)	Dr. R.K. Sairam	-
11.	2010	Seva Naik Dheeravathu	Characterization of poly-β-hydroxybutyrate a biodegradable plastic polymer in chickpea root nodules	Dr. Bhupinder Singh	-
12.	2010	Arun Kumar R.	Physiological and biochemical basis of high temperature stress tolerance in chickpea (<i>Cicer arietinum</i> L.) genotypes	Dr. R.K. Sairam	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
13.	2010	Lekshmy S.	Physiological molecular studies on salinity tolerance in wheat	Dr. R.K. Sairam	-
14.	2011	Sudhir Kumar	Study of temperature stress tolerance in Indian mustard (<i>Brassica juncea</i> L.)	Dr. R.K. Sairam	-
15.	2011	Chandan Kumar Gupta	Physiological and molecular characterization of phytosiderophore mediated phytoremediation of heavy metals	Dr. Bhupinder Singh	-
16.	2011	Lakshmisha G.	Physiological studies on organically and conventionally grown soybean (<i>Gycine max</i> (L.) Merr.)	Dr. V.P. Singh	-
17.	2011	Sunil S. Hiremath	Alteration of membrane fatty acids for high temperature tolerance in <i>Nicotiana benthamiana</i> L.	Dr. Madan Pal Singh	-
18.	2011	Puja Rai	Impact of rising CO ₂ and temperature on physiological characteristics of chickpea (<i>Cicer arietinum</i> L.) genotypes	Dr. Madan Pal Singh	-
19.	2011	Shreenatha N.	Regulation of fruit ripening by 1-methyletylopropene (I-MCP) in Banana (<i>Musa</i> sp.)	Dr. V.P. Singh	-
20.	2012	Mahesh Kumar	Physiological and biological characterization of ionizing and non-ionizing radiation responses in wheat, tomato and soybean	Dr. Bhupinder Singh	-
21.	2012	Aradhana Kumari	Physiological and molecular constraints limiting grain growth under water stress in wheat	Dr. R.K. Sairam	-
22.	2012	Kamal Kant	Evaluation of promising compounds and their mode of action in tomato fruit ripening	Dr. Ajay Arora	-
23.	2012	Angrsangzuala Sailo	Analysis of components limiting nitrogen assimilation in wheat genotypes grown under elevated carbon dioxide	Dr. Vanita Jain	-
24.	2013	Chandrakala J.U.	Physiological and biochemical characterization of rice genotypes for high temperature tolerance	Dr. Madan Pal Singh	-
25.	2013	Sharad Kumar Dwivedi	Delayed leaf senescence associated drought tolerance mechanism in wheat (<i>Triticum aestivum</i> L.)	Dr. Ajay Arora	-
26.	2013	Madan Kumar	Regulation of flower senescence by abscisic acid (ABA) in gladiolus (<i>Gladiols grandiflora</i> H.)	Dr. V.P. Singh	-
27.	2014	Pranjali H. Ghodke	Interactive role of ethylene and polyamines on the drought tolerance in wheat	Dr. Ajay Arora	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
28.	2015	Pankaj Kumar	Physiological and biochemical basis of gamma radiation induced changes in pigeonpea (<i>Cajanus cajan</i> L.) under salt stress	Dr. Bhupinder Singh	-
29.	2015	Rinki Khobra	Physiological and biochemical basis of iron use efficiency in wheat	Dr. Bhupinder Singh	-
30.	2015	Krishnapriya V.	Physiological and molecular characterisation of Soybean (<i>Glycine max</i> Merr.) genotypes for organic acid exudation under phosphorus stress	Dr. Renu Pandey	-
31.	2015	Shiv Ramakrishnan	Cytokinin induced delayed leaf senescence and its association with drought tolerance mechanism in wheat	Dr. Ajay Arora	-
32.	2015	Sini Thomas K.	Role of putrescine in growth, development and abiotic stress tolerance of rice	Dr. Madan Pal Singh	-
33.	2015	Shailesh Kumar	Role of salicylic acid in terminal heat stress tolerance of wheat (<i>Triticum aestivum</i> L.)	Dr. V.P. Singh	-
34.	2016	Shivani Nagar	Regulatory role of gibberellic acid under high temperature stress in wheat (<i>Triticum aestivum</i> L.)	Dr. V.P. Singh	-
35.	2016	Ramesh K.V.	Transcriptome analysis of high temperature stress response in contrasting rice. (<i>Oryza sativa</i> L.) genotypes.	Dr. Madan Pal Singh	-
36.	2016	Prashant H.	Interactive regulation of nitrogen, iron and zinc use efficiency in wheat (<i>Triticum aestivum</i> L.)	Dr. Bhupinder Singh	-
37.	2016	Deepika Kumar Umesh	Molecular analysis of jasmonic acid and polyamine synthesis and signaling under heat and drought stresses in rice	Dr. Madan Pal Singh	-
M.Sc. Students					
1.	2007	Pratibha Singh	Role of phytosiderophone in phytoextraction of heavy metals	Dr. Bhupinder Singh	-
2.	2007	Koushik Chakraborty	Effect of elevated CO ₂ on post flowering changes and grain quality in two <i>Brassica</i> species	Dr. D.C. Uprety	-
3.	2007	Joshitha Vijayan	Cloning of abiotic stress responsive genes encoding transcription factor and signaling proteins from wheat (<i>Triticum aestivum</i> linn.)	Dr. G.C. Srivastava	-
4.	2008	Puja Rai	Isolation and characterization of abiotic stress responsive mutants of <i>Arabidopsis</i>	Dr. Viswanathan C.	Gold Medalist



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
5.	2008	Madan Kumar	Physiological analysis of anthesis silking interval and early kernel development in maize under reproductive stage drought stress	Dr. Viswanathan C.	-
6.	2008	Kamal Kant	Characterization of proteases during flower senescence in <i>Gladiolus grandiflora hort.</i>	Dr. Ajay Arora	-
7.	2009	Sharad Kumar Dwivedi	Role of nitric oxide for regulation of flower senescence in gladiolus (<i>Gladiolus grandiflora hort.</i>)	Dr. Ajay Arora	-
8.	2009	Pankaj Kumar	Role of cytokinin in regulation of flower senescence in gladiolus (<i>Gladiolus grandiflora hort.</i>)	Dr. Ajay Arora	-
9.	2009	Chandrakala J.U.	Effect elevated carbon dioxide on nitrogen assimilation in different wheat genotypes.	Dr. Vanita Jain	-
10.	2010	Ramesh K.V.	Mineral Nutrients in Relation to Ripening of Tomato (<i>Solanum lycopersicum L.</i>) fruits	Dr. Vijay Paul	-
11.	2010	Naval Kishora	Organic acid exudation under phosphorous stress and its relationship with phosphorous uptake efficiency in mungbean (<i>Vigna radiata (L) wilek</i>)	Dr. Renu Pandey	-
12.	2010	Krishna Kant Dubey	Phosphorous uptake efficiency in wheat species under low phosphorous and elevated CO ₂	Dr. Renu Pandey	-
13.	2011	Laxmi Sharma	Pigments and antioxidants in relation to ripening of tomato (<i>Solanum lycopersicum L.</i>) fruits	Dr. Vijay Paul	-
14.	2011	Deepika Kumar Umesh	Protein oxidation in response to nitrogen stress in wheat seedlings.	Dr. Vanita Jain	-
15.	2011	Shivani Nagar	Physiological basis of cytokinin induced drought tolerance in wheat (<i>Triticum aestivum linn.</i>)	Dr. Ajay Arora	-
16.	2011	Krishna Kumar G.	Studies on the role of heat shock transcription factors and proteins on high temperature tolerance in wheat.	Dr. R.K. Sairam	-
17.	2012	Sini Thomas K.	Effect of megnetopriming on growth and yield of chickpea (<i>Cicer arietinum L.</i>) under salinity.	Dr. Anjali Anand	-
18.	2012	Madhurima Das	Comparative physiology of growth and grain development in wheat and barley	Dr. Rakesh Pandey	-
19.	2012	Surendra Kumar Meena	Interactive effect of phosphorus nutrition and elevated CO ₂ on physiology and growth of mungbean (<i>Vigna radiata (L.) wilczek.</i>)	Dr. Renu Pandey	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
20.	2012	Vineeth T.V.	Amelioration of water stress in chickpea (<i>Cicer arietinum</i> L.) by some bioregulators	Dr. Pramod Kumar	-
21.	2013	Neeraj Joshi	Association between expressions of soluble starch synthase family members and grain weight in wheat under high temperature stress	Dr. Ajay Arora	-
22.	2013	Ankit Pandey	Molecular analysis of candidate genes from spikelet fertility QTL under heat and drought stress in rice	Dr. Madan Pal Singh	-
23.	2013	Gajendra Kumar Rathod	Effect of magnetopriming on carbohydrate metabolism under salinity in wheat (<i>Triticum aestivum</i> L.)	Dr. Anjali Anand	-
24.	2013	Sukumar Taria	Studies on the protective role of bioregulators in chickpea (<i>cicer arietinum</i> L.) under late sown high temperature stress condition	Dr. Pramod Kumar	-
25.	2014	Soumya P.R.	Role of Paclobutrazol in Amelioration of Water deficit Stress in Chickpea (<i>Cicer arietinum</i> L.)	Dr. Pramod Kumar	-
26.	2014	Priyanka Bagri	Enhancing Germination and Seedling Vigour in Maize in with Plant Derived Smoke-Water	Dr. Rakesh Pandey	-
27.	2014	Bicky Kumar	Physiological and Biochemical Effects of 24-Epibrassinolide on Drought Tolerance of Maize (<i>Zea mays</i> L.)	Dr. Ishwar Singh	-
28.	2014	Mukesh Kumar Gupta	Role of reactive oxygen species and hormones in seed germination of magneto primed cherry tomato seeds	Dr. Anjali Anand	-
29.	2015	Vasundhara Sharma	Regulation of iron deficiency tolerance by sulphur in wheat	Dr. Bhupinder Singh	-
30.	2015	Milan Kumar Lal	Effect of high (CO ₂) on Phosphorus efficiency in wheat grown under phosphorus stress with different sulphur levels	Dr. Renu Pandey	-
31.	2015	Suproakash Debnath	Identification and Characterization of Heat Stress Tolerance in Maize (<i>Zea mays</i> L.)	Dr. Ishwar Singh	-
32.	2015	Rajeev Kumar	Non-Destructive Assessment of Nutritional and Quality Parameters During Ripening of Tomato (<i>Solanum lycopersicum</i> L.) Fruits	Dr. Vijay Paul	-
33.	2016	Nitin Sharma	Physiological response of Rice genotypes of high night temperature	Dr. Anjali Anand	-
34.	2016	Shamima Parveen	Senescence induced Iron remobilization in Bread and Drum Wheat	Dr. Bhupinder Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
35.	2016	Lakshmi Raj	Interactive effects of High (CO ₂) and temperature on microRNA mediated Phosphorus starvation Tolerance in Rice	Dr. Renu Pandey	-
36.	2016	Mahesh Meena	Image based Phenotyping of Crop growth in Wheat	Dr. Rakesh Pandey	-
37.	2016	Deepika Kumar Umesh	Molecular analysis of jasmonic acid and polyamine synthesis and signaling under heat and drought stresses in rice	Dr. Madan Pal Singh	-

Foreign Students Awarded Degree

S. No.	Year	Name of Foreign Student	Thesis Title	Chairperson	Country
1.	2010	Ahmed Aien	Impact of high temperature and CO ₂ on physiological and biochemical characteristic of potato cultivars	Dr. Madan Pal Singh	Iran

Training Courses/Winter/Summer/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2007	Advances in physical techniques for growth of agriculture and food security	250	Dr. Bhupinder Singh
2.	2009	Summer school on Photosynthetic efficiency and crop productivity under climate change scenario	24	Dr. Madan Pal Singh Dr. Vanita Jain Dr. Pramod Kumar Dr. Rakesh Pandey Dr. Renu Pandey Dr. Sangeeta Khetrpal
3.	2009	Winter school on Training and capacity building on application of ionizing and non-ionizing energies in agriculture	-	Dr. B. Singh Dr. Anjali Anand
4.	2011	Training on Basic safety aspect of radioisotope and radiation use	-	Dr. B. Singh
5.	2014	ICAR short course on Non-destructive phenotyping and phenomics for dissection of abiotic stress tolerance, gene discovery and crop improvement	23	Dr. Viswanathan C. Dr. Madan Pal

Training Received by the Faculty Members within the Country

S. No.	Year	Name of Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. Rakesh Pandey	Fifteenth winter school on Remote sensing applications in agriculture with special emphasis on crop growth monitoring system	23 days	Division of Agriculture Physics, IARI, New Delhi



S. No.	Year	Name of Faculty Member	Name of the Training	Duration	Institution
2.	2008	Dr. Poonam Natu	MDP workshop on PME (Policy and prioritization, monitoring and evaluation) under L&CB project of NATP	7 days	NAARM, Hyderabad
3.	2008	Dr. B. Singh	Workshop on Stimulating attitudinal excellence in science	3 days	Indian Management Academy, Dehradun
4.	2010	Dr. Renu Pandey	Winter School on Molecular marker assisted crop breeding: Principles, methods and applications	21 days	Division of Genetics, IARI, New Delhi
5.	2013	Dr. Viswanathan C.	NAIP sponsored National Training Workshop on Scientific Report Writing and Presentation	6 days	NAARM, Hyderabad
6.	2013	Dr. Renu Pandey	Application of Bioinformatics Tools in Agriculture	3 days	AKMU (Formerly Unit of Simulation and Informatics), IARI, New Delhi
7.	2014	Dr. Renu Pandey	Computational and Statistical Advances in Bioinformatics for 'omics' Data	21 days	Indian Agricultural Statistical Research Institute (IASRI), New Delhi
8.	2014	Dr. Renu Pandey	ResearchProjectProposalDevelopment Workshop	3 days	NFBSFARA, ICAR, NAARM, Rajendranagar, Hyderabad

Training Received by the Faculty Members outside the Country

S. No.	Year	Name of Faculty Member	Name of the Training	Duration	Institution
1.	2007-2008	Dr. Renu Pandey	Molecular biology/genetic engineering of abiotic stress	15 months	Donald Danforth Plant Science Center affiliated to Washington University in St. Louis, MO, USA
2.	2009	Dr. B. Singh	Plant Nutrition	89 days	Germany (INSA International Scientific Exchange Program)
3.	2014	Dr. Madan Pal Singh	Attended IV th International Congress Rice	7 days	Bangkok, Thailand



S. No.	Year	Name of Faculty Member	Name of the Training	Duration	Institution
4.	2014	Dr. Ajay Arora	Participated in the inception meeting of the Heat and Drought Wheat Improvement Consortium (HeDWIC)	4 days	Frankfurt am Main, Germany

Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Members	Name of Award Received	Institution which gave the Award
1.	2007	Dr. Renu Pandey	BOYSCAST Fellowship	Department of Science and Technology, Govt. of India
2.	2007	Dr. R.K. Sairam	Hooker award for the biennium 2004-05	Indian Agriculture Research Institute, New Delhi
3.	2007	Dr. G.C. Srivastava	RD Asana memorial Award	Indian Agriculture Research Institute, New Delhi
4.	2007	Dr. Rakesh Pandey D.C. Saxena Dr. P. Kumar Dr. P.S. Deshmukh S. Khetrapal	Third prize in oral presentation in National Hindi Scientific seminar on global warming	Ministry of Earth Sciences Govt. of India
5.	2008	Dr. Bhupinder Singh	Member of Scientific Panel on Biological Hazards	Food safety standards Authority of India for period 2009-2012
6.	2008	Dr. Madan Pal Singh	JJ Chinoy Gold Medal ISPP fellowship	Indian Society for Plant Physiology, ISPP, New Delhi
7.	2008	Dr. Ajay Arora Dr. V.P. Singh	IInd Prize for paper in Young Scientist Session of Golden Jubilee Conference	Indian Society for Plant Physiology, ISPP, New Delhi
8.	2009	Dr. Bhupinder Singh	Nominated as Member of Scientific Panel on Biological Hazards	Food safety standards Panel on Biological Authority of India for Hazards for 2009-2012
9.	2009	Dr. Bhupinder Singh	AAAS(Sr) award	Indian Society for Plant Physiology, ISPP, New Delhi
10.	2009	Dr. Vanita Jain	JJ Chinoy Award	Indian Society for Plant Physiology, ISPP, New Delhi
11.	2009	Dr. Vijay Paul	ISPP Fellowship	Indian Society for Plant Physiology, ISPP, New Delhi
12.	2009	Dr. Vanita Jain	ISPP Fellowship	Indian Society for Plant Physiology, ISPP, New Delhi
13.	2009	Dr. Bhupinder Singh	ISPP Fellowship	Indian Society for Plant Physiology, ISPP, New Delhi
14.	2009	Dr. R.K. Sairam	Elected General Secretary and Editor-in-Chief	Indian Society for Plant Physiology, ISPP, New Delhi
15.	2010	Dr. Madan Pal Singh	Best Poster Award	National Seminar on Sustainable Crop Productivity through Physiological Interventions, Mumbai



S. No.	Year	Name of the Faculty Members	Name of Award Received	Institution which gave the Award
16.	2010	Dr. Ajay Arora	Ist Prize in Poster Presentation	Sardar Vallabhbhai Patel University of Agriculture & Technology, Modipuram, Meerut
17.	2010	Dr. Viswanathan C.	NAAS Associate	National Academy of Agricultural Sciences, New Delhi
18.	2010	Dr. Pramod Kumar	First award for a scientific popular article in Hindi on " <i>Hormone Sey Badhhayen Sabji Ka Utpadan</i> published in <i>Kheti</i> (2009) vol. 62: 5-9 - Kumar, P., Singh, T.P. and Singh, J.S."	Indian Agricultural Research Institute, New Delhi
19.	2010	Dr. Pramod Kumar	ISPP Fellowship	Indian Society for Plant Physiology, New Delhi
20.	2010	Dr. Pramod Kumar	Ist Prize in Poster Presentation	Indian Society for Plant Physiology during Zonal Seminar of ISPP at SVPUAT, Meerut, September 17-18, 2010
21.	2011	Dr. Iswar Singh	Academy for Advancement of Agricultural Sciences-Senior Award	Indian Society for Plant Physiology, New Delhi
22.	2011	Dr. Iswar Singh	Best Poster Award in the session "Abiotic Stress tolerant Maize"	XI th Asian Maize Conference held in Nanning, P.R. China.
23.	2011	Vijay Paul, Rakesh Pandey and Srivastava G.C.	JFST Best Paper Award	In the field of Food Technology for the Research Article
24.	2012	Dr. Viswanathan C.	J.J. Chinoy Gold Medal	Indian Society for Plant Physiology, New Delhi
25.	2012	Dr. Pramod Kumar	Best Poster Award	Indian Society of Genetics & Plant Breeding in National seminar during May 11-12, 2012
26.	2015	Dr. Renu Pandey	World Phosphate Institute (IMPHOS)- The Fertilizer Association of India (FAI) Gold Medal, Citation and Rs. 50,000/- Cash award	The Fertilizer Association of India
27.	2015	Dr. Rakesh Pandey Dr. Vijay Paul	Best Poster Award	3 rd International Plant Physiology, Congress (IPPC) JNU, New Delhi
28.	2016	Dr. Renu Pandey	Best Paper Award in National Seminar on Plant Genomics and Biotechnology: Challenges and Opportunity in 21 st Century	OUAT, Bhubaneswar, Odisha, 23-24 th January 2016



S. No.	Year	Name of the Faculty Members	Name of Award Received	Institution which gave the Award
29.	2016	Dr. Viswanathan C.	NAAS Associate	National Academy of Agricultural Sciences, New Delhi
30.	2016	Dr. Renu Pandey	2 nd Prize (Rs. 5,000/-) for publishing research article in Hindi	ICAR-IARI, New Delhi

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Members	Name of the International Conference/Seminar/Assignments	Duration	Place Visited
1.	2007	Dr. V. Jain	Mini symposium of plant protein phosphorylation and dephosphorylation and A symposium on plant proteomics	6 days	University of Missouri, Columbia, MO.
2.	2007	Dr. V. Jain	Botany & plant biology joint congress	4 days	University of Chicago, Chicago, IL, USA
3.	2007	Dr. R. Khanna Chopra	10 th Inter-regional conference on water and environment (Enviorwat 2007)	4 days	New Delhi
4.	2007	Dr. V. Jain	<i>Arabidopsis</i> congress	5 days	Beijing, China
5.	2007	Dr. M. Pal Singh	4 th USDA greenhouse gas conference	4 days	Baltimore MD, USA
6.	2007	Dr. M. Pal Singh	4 th International temperate rice conference	4 days	Novara, Italy
7.	2007	Dr. M. Pal Singh	14 th International congress of photosynthesis	6 days	Glasgow, UK
8.	2007	Dr. M. Pal Singh	International workshop on land surface modeling for climate change in India	4 days	Pune, India
9.	2007	J.D.S. Panwar	4 th International nitrogen conference	5 days	Brazil
10.	2007	Dr. C. Viswanathan	International workshop on aerobic rice	3 days	Beijing, China
11.	2009	Dr. M. Pal Singh	Symposium on Challenges for Agro-Environment Research in Monsoon Asia at National Institute for Agro-Environmental Sciences (NIAES), 3-1-3 Kannondai	4 days	Japan
12.	2014	Dr. Viswanathan C.	International workshop on "Rice Stems: Role in structural support, carbohydrate storage and movement, plant stress response and gas diffusion"	23-26 June, 2014	International Rice Research Institute, Los Banos, Philippines
13.	2016	Dr. Madan Pal Singh	Plant Biology Conference -2016	07.07.2016 to 17.07.2016	American Society for Plant Biologists at Austin, Texas, USA



List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
1.	Anand, A., Suresh, K. and Nair, T.V.R.	2007	Photosynthetic variation and photosynthetic nitrogen use efficiency in <i>Brassica</i> species with different genetic constitution of ribulose-1,5-bisphosphate carboxylase	<i>Photosynthetica</i> 45(1): 147-152	7.41	1
2.	Chandra, A., Anand, A. and Dubey, A.	2007	Effect of salicylic acid on morphological and biochemical attributes of cowpea	<i>J. Environ. Biol.</i> 28(2): 193-196	6.56	29
3.	Chinnusamy, V., Zhu, J., Zhu, J.K.	2007	Cold stress regulation of gene expression plants	<i>Trend Plant Sci.</i> 12: 444-451	18.93	732
4.	Ezhilmathi, K., Singh, V.P. Arora, A. and Sairam, R.K.	2007	Effect of 5-sulfosalicylic acid on antioxidant activity in relation to vase life of <i>Gladiolus</i> cut flowers	<i>Plant Growth Regul.</i> 51(2): 99-108	8.24	81
5.	Jain, V., Pal, M., Raj, A. and Khetarpal, S.	2007	Photosynthesis and nutrient composition of spinach and fenugreek grown under elevated carbon dioxide	<i>Biol. Plant.</i> 51(3): 559-562	7.85	12
6.	Jain, V., Pal, M., Raj, A., Khetarpal, S. and Srivastava, G.C.	2007	Growth and nutritional composition of leafy vegetables under elevated atmospheric CO ₂	<i>Biol. Plant.</i> 51(3): 559-562	7.85	-
7.	Kant P.C.B, Bhadraray, S., Purakayastha, T.J, Jain, V., Pal, M. and Datta, S.C.	2007	Active carbon pools in rhizosphere of wheat (<i>Triticum aestivum</i> L.) grown under elevated atmospheric carbon dioxide concentration in a typical heplusept in subtropical India	<i>Env. Pollu.</i> 147: 273-281	10.14	19
8.	Kumar Naveen, Srivastava, G.C., Dixit Kiran, Mahajan Aarti and Madan Pal	2007	Role of carbohydrate in flower bud opening in rose (<i>Rosa hybrida</i> L.)	<i>J. Hort. Sci. Biotech.</i> 82(2): 235-242	6.54	9
9.	Kumar P. and V. Mahajan	2007	Effect of low temperature stress on photosynthesis, total soluble sugars, grain filling rate and yield in rice (<i>Oryza sativa</i> L.)	<i>Indian J. Plant Physiol.</i> 12(3)(N.S.): 253-260	4.66	3
10.	Kumar P., Mahajan V. and Shukla S.K.	2007	Identification of cold tolerant chickpea (<i>Cicer arietinum</i> L.) genotypes suitable for mid-hills of northern India	<i>Indian J. Plant Genet.</i> 67(1): 83-84	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
11.	Pandey R., Chacko P.M., Choudhary M.L., Prasad K.V. and Pal M.	2007	Higher than optimum temperature under CO ₂ enrichment influences stomata anatomical characters in Rose (<i>Rosa hybrida</i>)	<i>Scientia Hort.</i> 113: 74-81	7.37	35
12.	Pandey R., Singh B. and Nair T.V.R.	2007	Variability in kinetics of phosphorus uptake in wheat under P-starvation	<i>J. Nucl. Agric. Biol.</i> 36(1&2): 1-15	-	1
13.	Pandita, V.K., Anand, A. and Nagarajan, S.	2007	Enhancement of seed germination in hot pepper following pre-sowing treatments	<i>Indian J. Plant Physiol.</i> 12(NS): 388-392	6.48	14
14.	Paul, M., Joshi, M.C. and Sairam, R.K.	2007	Germination behaviour and physiological response of rice to paper mill effluent application	<i>Seed Sci. Technol.</i> 35(2): 282-290	4.66	-
15.	Paul, V. and Ezekiel, R.	2007	Changes in sugar levels and membrane permeability during storage at 18 °C in potato (<i>Solanum tuberosum</i> L.) tubers previously stored in cold store	<i>Indian J. Agric. Sci.</i> 77: 32-35	6.14	-
16.	Paul, V. and Srivastava, G.C.	2007	Minerals in pericarp of tomato (<i>Solanum lycopersicon</i> L.) fruit and its ripening behaviour	<i>J. Appl. Hort.</i> 9: 140-145	3.79	-
17.	Paul, V., Raghuveer, P. and Chandra, R.	2007	Role of age and orientation of seedling explants on multiple shoot production in chickpea (<i>Cicer arietinum</i> L.)	<i>Plant Cell Biotech. Mol. Biol.</i> 8: 53-60	2.59	-
18.	Saikia S.P. and Jain, V.	2007	Biological Nitrogen Fixation with Non-Legumes: An Achievable Target or a Dogma	<i>Curr. Sci.</i> , 92(2): 317-322	6.93	82
19.	Saikia, S.P., Jain, V., Khetarpal, S. and Aravind, S.	2007	Dinitrogen fixation activity of <i>Azospirillum brasilense</i> in maize (<i>Zea mays</i>)	<i>Current Sci.</i> 93: 1296-1299	6.93	21
20.	Saxena, D.C., Abbas, S. and Sairam, R.K.	2007	Effect of ethrel on reproductive efficiency in chickpea	<i>Indian J. Plant Physiol.</i> 12 (NS): 162-167	4.66	-
21.	Singh, A., Kumar, J., Kumar, P. and Singh, V.P.	2007	Membrane stability and post harvest keeping quality of gladiolus cut spikes as influenced by certain chemicals with sucrose in vase solution	<i>Indian J. Plant Physiol.</i> 12(1): 63-71	4.66	3



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22.	Singh, D., Kumar, D., Pandey, R., Malik, K. and Kumar, V.	2007	Inclusion of potato for intensification of cotton-wheat system in North-Western plains: a physiological study	<i>Indian J. Plant Physiol.</i> 12(3): 298-300	4.66	-
23.	Singh, D., Kumar, D., Sharma, S.K., Pandey, R., Singh, B.P., Malik, K. and Kumar, V.	2007	Prospects of early maturing cotton and heat tolerant potato hybrids for diversification of cotton-wheat system in north-west Indo-Gangetic plains	<i>J. Farming Syst. Res. Dev.</i> 13(2): 220-223	3.41	-
24.	Singh, D., Sharma, S.K., Pandey, R. and Kumar, V.	2007	Performance of Bt and non-Bt cotton genotypes under cotton-wheat system	<i>Indian J. Agric. Sci.</i> 77(4): 305-307	6.14	2
25.	Singh, T.P., Deshmukh, P.S. and Kushwaha, S.R.	2007	Response of different sowing dates on se protein content and productivity of chickpea (<i>Cicer arietinum</i> L.) genotypes	<i>Indian J. Agric. Sci.</i> 77(9): 607-8	6.14	-
26.	Sunkar, R., Chinnusamy, V., Zhu, J. and Zhu, J.K.	2007	Small RNAs as big players in plant abiotic stress responses and nutrient deprivation	<i>Trends Plant Sci.</i> 12: 301-309	18.93	621
27.	Arora, A, Choudhary, D., Agarwal, G. and Singh, V.P.	2008	Compositional variation in beta-carotene content, carbohydrate and antioxidant enzymes in selected banana cultivars	<i>Int. J. Food Sci. Tech.</i> 43(11): 1913-1921.7.5	-	24
28.	Chinnusamy, V., Gong, Z. and Zhu, J.K.	2008	ABA-mediated epigenetic processes in plant development and stress responses	<i>J. Integ. Plant Biol.</i> 50: 1187-1195	9.34	203
29.	Chinnusamy, V., Gong., Z. and Zhu, J.K.	2008	Nuclear RNA Export and Its Importance in Abiotic Stress Responses of Plants.	<i>Cur. Topics Microbio. Immu.</i> 326: 235-255	10.10	35
30.	Krishna, H., Sairam. R.K., Singh, S.K, Patel, V.B., Sharma, R.R, Grover, M., Lata Nain and Sachdev, A.	2008	Mango explant browning: Effect of ontogenic age, mycorrhization and pre-treatments	<i>Sci. Hort.</i> 118: 132138	-	30
31.	Kumar, A. R., Deshmukh, P.S., Singh, T.P., Kushwaha, S.R. and Bhagat, K.	2008	Superoxide dismutase in chickpea genotypes under high temperature	<i>Indian J. Plant Physiol.</i> 13(1): NS, 88-90	4.66	-
32.	Kumar, M., Bhadraray, S., Sachdev, M.S., Swarup, A, Patra, A.K., Biswas, D.R., Pal, M., Pandey., R., Chandrakala, et. al.	2008	Nitrogen use efficiency by wheat (<i>Triticum aestivum</i> L.) under elevated CO ₂ using ¹⁵ N tracer	<i>J. Nucl. Agric. Biol.</i> 37(1&2): 27-38	7.37	-



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33.	Kumar, P., Deshmukh, P.S., Sairam, R.K and Singh, M.P.	2008	Enhancing Vegetable Production: Role of Plant Growth Regulators	<i>Crop Care</i> 34(2): 57-60		-
34.	Kumutha, D., Ezhilmathi, K., Sairam, R.K., Chinnusamy, V. and Meena, R.C.	2008	Effect of waterlogging on carbohydrate metabolism in pigeon pea (<i>Cajanus cajan</i> L.): Up regulation of sucrose synthase and alcohol dehydrogenase	<i>Plant Sci.</i> 175: 706-716	3.59	49
35.	Kumutha, D., Sairam, R.K. and Meena, R.C.	2008	Role of root carbohydrate reserves and their mobilization in Imparting waterlogging tolerance in green gram (<i>Vigna radiata</i> (L.) Wilczek) genotypes	<i>Indian J. Plant Physiol.</i> 13: 339-346	4.66	8
36.	Miglani, A., Ray, S. S., Pandey, R., and Parihar, J.S.	2008	Evaluation of EO-1 Hyperion Data for Agricultural Applications	<i>J. Indian Soc. Remote Sens.</i> 36: 255-266	-	14
37.	Nagarajan, S., Anand, A. and Chaudhary, H.B.	2008	Response of spring wheat (<i>Triticum aestivum</i>) genotypes under changing environment during grain filling period	<i>Indian J. Agri. Sci.</i> 78(2): 117-119	6.14	3
38.	Pal, M., Talwar, S., Deshmukh, P.S., Vishwanathan, C., Khetrpal, S. Kumar, P. and L. Devanand	2008	Growth and yield of chickpea under elevated carbon dioxide concentration	<i>Indian J. Plant Physiol.</i> 13(4) (NS): 367-374	4.66	5
39.	Patil, R.V., Chinnusamy, V., Chauhan, S., Ruwali, K.N., Pandey, H.N., Chopra, R. K.	2008	Heat stress tolerance in <i>T. aestivum</i> and <i>T. durum</i> wheat genotypes under continual and terminal heat stress environments	<i>J. Plant Biol.</i> 35: 1-16	7.21	-
40.	Paul, V., Malik, S.K. and Srivastava, G.C.	2008	Intervarietal differences in the surface morphology and anatomy of mango (<i>Mangifera indica</i> L.) fruits	<i>Phytomorphol.</i> 57: 211-220	2.95	9
41.	Paul, V., Raghuveer, P. Chandra, R., and Suresh, K.	2008	Age of seedling explant and regeneration potential in chickpea (<i>Cicer arietinum</i> L.)	<i>Phytomorphol.</i> 58: 41-48	2.95	2
42.	Rajan L.A., Joseph T.C., Thampuran N., James R., Chinnusamy V. and Bansal K.C.	2008	Characterization and phylogenetic analysis of ectoine biosynthesis genes from <i>Bacillus halodurans</i>	<i>Arch. Microbiol.</i> 190: 481-487	-	5
43.	Rajan, L.A, Joseph, T.C., Thampuran, N., James, R., Kumar, A.K., Chinnusamy, V. and Bansal, K.C.	2008	Cloning and heterologous expression of ectoine biosynthesis genes from <i>Bacillus halodurans</i> in <i>Escherichia coli</i>	<i>Biotech. Lett.</i> 30: 1403-1407	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
44.	Raju, D.V.S., Misra, R.L. and Singh, V. P.	2008	Effect of polyamines on postharvest life of gladiolus spikes	<i>J. Orn. Hort.</i> 11(1): 66-68	-	6
45.	Raju, D.V.S., Misra, R.L. and Singh, V. P.	2008	Effect of pre-harvest spray of thiol compounds on postharvest life of gladiolus spikes	<i>J. Orn. Hort.</i> 11(1): 75-76	-	2
46.	Sairam, R.K., Dharmar, K., Ezhilmathi, K., Deshmukh, P.S. and Srivastava, G.C.	2008	Physiology and biochemistry of waterlogging tolerance in plants	<i>Biol. Plant.</i> 52(3): 401-412	7.85	155
47.	Shukla, L.I, Chinnusamy, V, Sunkar, R.	2008	The role of microRNAs and other endogenous small RNAs in plant stress responses.	<i>BBA - Gene Regul. Mech.</i> 1779: 743-748	-	189
48.	Singh, T.P., Deshmukh, P.S. and Kumar, P.	2008	Relationship between physiological and yield traits in chickpea (<i>Cicer arietinum</i> L.) under rainfed condition	<i>Indian J. Plant Physiol.</i> 13(4) (NS): 411-413	-	-
49.	Sujatha, K.B., Uprety, D.C., Rao, N.D., Rao, R.P. and Dwivedi, N.	2008	Up regulation of photosynthesis and sucrose P synthase in rice under elevated carbon dioxide and temperature conditions	<i>Plant Soil Environ.</i> 54: 155-62	-	20
50.	Verma, S.S., Chinnusamy, V. and Bansal, K.C.	2008	A simplified floral dip method for transformation of <i>Brassica napus</i> and <i>B. carinata</i>	<i>J. Plant Biochem. Biotec.</i> 17: 197-200	-	10
51.	Almeselmani, M., Deshmukh P.S. and Sairam R.K.	2009	High temperature stress tolerance in wheat genotypes: role of antioxidant defence enzymes	<i>Acta Agron. Hungarica</i> 57: 1-14	-	63
52.	Anand, A., Nagarajan, S., Joshi, D.K., Verma, A.P.S. and Kar, A.	2009	Microwave seed treatment reduces hardseededness in <i>Stylosanthes seabrana</i> and promotes redistribution of cellular water as studied by NMR relaxation measurements	<i>Seed Sci. Technol.</i> 37: 88-97	6.48	4
53.	Chinnusamy, V., Zhu, J.K.	2009	Epigenetic regulation of stress responses in plants	<i>Curr. Opinion Plant Biol.</i> 12: 133-139	-	550
54.	Chinnusamy, V., Zhu, J.K.	2009	RNA-directed DNA methylation and demethylation in plants	<i>Sci. China C Life Sci.</i> 52: 331-343	-	79



S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
55.	Dalal, M., Tayal, D., Chinnusamy, V., Bansal, K.C.	2009	Abiotic stress, ABA-inducible Group 4 LEA from <i>Brassica napus</i> plays a key role in salt and drought tolerance	<i>J. Biotech.</i> 139: 137-145	-	125
56.	Fujii, H., Chinnusamy, V., Rodrigues, A., Rubio, S., Antoni, R., Park, S.Y., Cutler, S.R., Sheen, J., Rodriguez, P.L., Zhu, J.K.	2009	<i>In vitro</i> reconstitution of an abscisic acid signalling pathway	<i>Nature</i> 462: 660-664	20.00	516
57.	Jain, V., Saxena, D.C., Pandey, R. and Sairam, R.K.	2009	Effect of elevated carbon dioxide on spinach (<i>Spinacea oleracea</i> L.)	<i>Indian J. Scient. Indus. Res.</i> 2: 165-167 (Hindi)	-	-
58.	Joshi, R., Shukla, A. and Kumar, P.	2009	<i>In vitro</i> flowering in hill maize: A novel technique for future	<i>Indian J. Plant Physiol.</i> 14(3): 299-302	4.66	4
59.	Katiyar, A., Lenka, S.K., Lakshmi, K., Chinnusamy, V., and Bansal, K.C.	2009	<i>In silico</i> characterization and homology modeling of thylakoid-bound ascorbate peroxidase from a drought tolerant wheat cultivar	<i>Genom. Proteom. Bioinfor.</i> 7: 185-193	-	3
60.	Khetarpal, S., Pal, M. and Snehlata	2009	Effect of elevated temperature on growth and physiological characteristics in chickpea cultivars	<i>Indian J. Plant Physiol.</i> 14(4): 377-383	4.66	3
61.	Khetrapal, S., Kumar, P., Pal, M., Chand, C., Lata, S. and Khetrapal, R.K.	2009	Effect of association of <i>Fusarium solani</i> and <i>Fusarium moniliforme</i> on photosynthetic characteristics in chickpea (<i>Cicer arietinum</i> L.)	<i>Indian Phytopath.</i> 62(4): 484-487	-	1
62.	Kholova, J., Sairam, R.K., Meena, R.C. and Srivastava, G.C.	2009	Response of maize genotypes to salinity stress in relation to osmolytes and metal-ions contents, oxidative stress and antioxidant enzymes activity	<i>Biol. Plant.</i> 53(2): 249-256	7.85	45
63.	Kishor A., Srivastav, M., Dubey, A.K., Singh, A. K., Sairam, R.K., Pandey, R.N., Dahuja, A., and Sharma, R.R.	2009	Paclobutrazol minimises the effects of salt stress in mango (<i>Mangifera indica</i> L.)	<i>J. Hort. Sci. Biotech.</i> 84(4): 459-465	6.54	7
64.	Kumar, N., Pal, M. and Srivastava, G.C.	2009	Proline metabolism in Senescing Rose (<i>Rosa hybrida</i> L.) Petals	<i>J. Hort. Sci. Biotech.</i> 84(5): 536-540	6.54	4
65.	Kumutha, D., Ezhilmathi, K., Sairam, R.K., Srivastava, G.C., Deshmukh, P.S. and Meena, R.C.	2009	Waterlogging induced oxidative stress and anti-oxidant activity in pigeon pea genotypes	<i>Biol. Plant.</i> 53(1): 75-84	7.85	73



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66.	Lekshmy, S., Jain, V., Khetarpal, S., Pandey, R. and Singh, R.	2009	Effect of elevated carbon dioxide on kinetics of nitrate uptake in wheat	<i>Indian J. Plant Physiol.</i> 14(1): 16-22	4.66	4
67.	Lenka, S.K., Lohia, B., Kumar, A., Chinnusamy, V. and Bansal, K.C.	2009	Genome-wide targeted prediction of ABA responsive genes in rice based on over-represented <i>cis</i> -motif in co-expressed genes	<i>Plant Mol. Biol.</i> 69: 261-271	10.26	32
68.	Melcher, K., Ng, L.M., Zhou, X.E., Soon, F.F., Xu, Y., Powell, S.K.M., Park, S.Y., Weiner, J.J., Fujii, H., Chinnusamy, V., Kovach, A., Li, J., Wang, Y., Li, J., Peterson, F.C., Jensen, D.R., Yong, E.L., Volkman, B.F., Cutler, S.R., Zhu, J.K., Xu, H.E.	2009	A gate-latch-lock mechanism for hormone signalling by abscisic acid receptors	<i>Nature</i> 462: 602-608	20.00	-
69.	P. Kumar, Singh, T.P. and Singh, J.S.	2009	Hormone Sey Badhhayen Sabji Ka Utpadan	<i>Kheti</i> 62: 5-9	-	-
70.	Pandey, R.	2009	Influence of certain biochemicals on regulation of bud break, green leaf yield and crop distribution in tea	<i>J. Plantation Crops</i> 37: 171-176	-	1
71.	Pandey, R., Chacko, P.M., Prasad, K.V., Pal, M. and Choudhary, M.L.	2009	Physiological characterisation of two rose (<i>Rosa hybrida</i> L.) cultivars grown under different levels of CO ₂ enrichment	<i>J. Hort. Sci. Biotech.</i> 84(1): 35-40. 7.0	-	2
72.	Paul, V. and Pandey, R.	2009	Improving the shelf-life and post-harvest management of fruits with 1-methylcyclopropene (1-MCP)	<i>Indian Food Industry</i> 28: 47-51	-	1
73.	Paul, V., Pandey, R. and Deshmukh P.S.	2009	1-Methylcyclopropene (1-MCP): Most potent inhibitor of ethylene response	<i>Crop Care</i> 34: 57-61	-	2
74.	Paul, V., Srivastava, G.C. and Pandey, R.	2009	Keep your tomato afresh for longer time	<i>Indian Hort.</i> 54: 14-15	6.13	2
75.	Prakash, P., Kumari, A., Singh, D.V., Pandey, R., Sharma-Natu, P. and Ghildiyal, M.C.	2009	Starch synthase activity and grain growth in wheat cultivars under elevated temperature: a comparison of responses	<i>Indian J. Plant Physiol.</i> 14(4): 364-369	4.66	2



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76.	Sairam, R.K, Dharmar, K., Chinnusamy, V. and Meena, R.C.	2009	Waterlogging-induced increase in sugar mobilization, fermentation, and related gene expression in the roots of mung bean (<i>Vigna radiata</i>)	<i>J. Plant Physiol.</i> 166: 602-616	4.66	69
77.	Sairam, R.K., Dharmar, K. and Ezhilmathi, K.	2009	Waterlogging tolerance: Non-symbiotic haemoglobin-nitric oxide homeostasis and antioxidants - A review	<i>Curr. Sci.</i> 96(5): 674-682	6.93	23
78.	Sairam, R.K., Dharmar, K., Ezhilmathi, K., Chinnusamy, V. and Meena, R.C.	2009	Waterlogging induced oxidative stress and antioxidant enzymes activity in pigeon pea	<i>Biol. Plant.</i> 53(3): 493-504	7.85	
79.	Singh, D., Pandey, R. and Kumar, V.	2009	Effect of growth retardants on morpho-physiological parameters in cotton under irrigated conditions in cotton-wheat system	<i>Indian J. Plant Physiol.</i> 14(3): 257-261	4.66	1
80.	Sinha, P.G., Kapoor, R., Uprety, D.C. and Bhatnagar, A.K.	2009	Impact of elevated CO ₂ concentration on ultrastructure of pericarp and composition of grain in three <i>Triticum</i> species of different ploidy levels	<i>Environ. Exper. Bot.</i> 66: 451-456	-	12
81.	Sivaprakasam, G., Singh, V.P. and Arora, A.	2009	Physiological and molecular analysis of effect of spermine on senescing petals of gladiolus	<i>Indian J. Plant Physiol.</i> 14(4): 384-391	-	5
82.	Sivasakthi, Singh. M., Chinnusamy, V., Khanna, M. and Parihar, S.S.	2009	Determination of water requirement and irrigation scheduling of groundnut (<i>Arachis hypogaea</i> L.) crop under trickle irrigation	<i>J. Water Manag.</i> 17: 118-125	-	-
83.	Srivastav, M., Kumar, M., Dubey, A.K., Singh, A.K. and Sairam, R.K.	2009	Relationship between physiological parameters and vigour indices in polyembryonic genotypes of mango (<i>Mangifera indica</i>)	<i>Indian J. Agric. Sci.</i> 79: 469-471	6.14	-
84.	Uprety, D.C., Dwivedi, N., Raj, A., Jaiswal, S., Paswan, G., Jain, V. and Maini, H.K.	2009	Study on the response of diploid, tetraploid and hexaploid species of wheat to the elevated C _{o2} . <i>Physiol</i>	<i>Mol. Biol. Plant.</i> 15(2): 161-168	-	13



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85.	Anand , A., Bhardwaj, J. and Nagarajan, S.	2010	Comparative evaluation of seed coat dormancy breaking treatments in <i>Stylosanthes seabrana</i>	<i>Grass Forage Sci.</i> 66: 272-276	-	1
86.	Anand A., Nagarajan, S., Kishore, N. and Verma, A.P.S.	2010	Impact of high temperature at pod development stage on yield and quality of <i>Brassica juncea</i> cultivars	<i>Indian J. Agric. Sci.</i> 80(12): 1043-1047	6.14	2
87.	Chinnusamy, V., Zhu, J.K. and Sunkar, R.	2010	Gene regulation during cold stress acclimation in plants. Plant Stress Tolerance: Methods and Protocols	<i>Meth. Mol. Biol.</i> 639: 39-55	-	135
88.	Choudhary, D., Agarwal, G., Singh, V.P. and Arora, A.	2010	<i>In Vitro</i> micropropagation of <i>Gladiolus grandiflora</i> (var. Snow Princess) flower from cormel explant.	<i>Indian J. Plant Physiol.</i> 15(1): 90-93	4.66	-
89.	Dalal, M., Chinnusamy, V., Bansal, K.C.	2010	Isolation and functional characterization of <i>Lycopene β-cyclase (CYC-B)</i> promoter from <i>Solanum habrochaites</i>	<i>BMC Plant Biol.</i> 10: 61	-	39
90.	Jain, V., Khetarpal S., Smitha, A. and Saikia S.P.	2010	Enhanced levels of soil nitrogen and endogenous phytohormones in maize (<i>Zea mays</i> L.) inoculated with <i>Azospirillum brasilense</i>	<i>Indian J. Plant Physiol.</i> 15(2) (Special Issue): 198-202	4.66	1
91.	Joshi, A., Shukla, A. and Kumar, P.	2010	<i>In vitro</i> selection of low phosphate tolerant hill maize (<i>Zea mays</i> L.) lines In vitro selection of low phosphate tolerant hill maize (<i>Zea mays</i> L.) lines	<i>Indian J. Plant Physiol.</i> 15(2): 159-163	4.66	-
92.	Joshi, A., Shukla, A. and Kumar, P.	2010	Interactive effect of GA ₃ and polyamines on <i>in vitro</i> somatic embryogenesis from immature embryos in maize (<i>Zea mays</i> L.)	<i>Maydica</i> 55: 111-119	-	4
93.	Joshi, R., Shukla, A. Mani, S.C. and Kumar, P.	2010	Hypoxia induced non-apoptotic cellular changes during aerenchyma formation in rice (<i>Oryza sativa</i> L.) roots	<i>Physiol. Mol. Biol. Plant.</i> 16(1): 99-106	-	4
94.	Kholova, J., Sairam, R.K. and Meena, R.C.	2010	Osmolytes and metal ions accumulation,oxidativestress and antioxidant enzymes activity as determinants of salinity stress tolerance in maize genotypes	<i>Acta Physiol. Plant</i> 32: 477-486	7.58	25
95.	Krishna, H., Singh, S.K., Sairam, R.K. and Verma, S.K.	2010	Effect of different factors on in vitro shoot tip culture establishment in mango	<i>Indian J. Hort.</i> 67: 293-300	6.13	-



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96.	Kumar, N., Pal, M., Singh, A. Sairam, R.K. and Srivastava, G.C.	2010	Exogenous proline alleviates oxidative stress and increase vase life in rose (<i>Rosa hybrida</i> L. 'Grand Gala')	<i>Scientia Hort.</i> 127: 79-85	7.37	17
97.	Lohot, V.D., Sharma-Natu, P., Pandey, R. and Ghildiyal, M.C.	2010	ADP-glucose pyrophosphorylase activity in relation to starch accumulation and grain growth in wheat cultivars	<i>Curr. Sci.</i> 98: 426-430	6.93	4
98.	Melcher, K., Xu, Y., Ng, L.M., Zhou, X.E., Soon, F.F., Chinnusamy, V., Suino-Powell, K.M., Kovach, A., Tham, F.S., Cutler, S.R., Li, J., Yong, E.L., Zhu, J.K. and Xu, H.E.	2010	Identification and mechanism of ABA receptor antagonism	<i>Nature Struct. Mol. Biol.</i> 17: 1102-1108	6.72	93
99.	Nagarajan, S., Jagadish, S.V.K. Prasad, A.S., Tomar, A.K. Anand, A., Pal, M. and Aggarwal, P.K.	2010	Local climate affects on growth, yield, and grain quality of aromatic and non-aromatic rice in north western India	<i>Agric. Ecosys. Environ.</i> 138: 274-281	-	63
100.	Pandey, R.	2010	Influence of certain chemicals on nitrate reductase activity and its correlation with caffeine in tea (<i>Camellia sinensis</i> (L) O. Kuntze) leaves	<i>J. Plantation Crops</i> 38(2): 132-137	-	1
101.	Pandey, R., Chacko, P.M., Pal, M.S. Choudhary, M.L. and Singh, R.	2010	Influence of growth temperature on keeping quality traits of rose (<i>Rosa hybrida</i> L.) cut flowers grown under continuous CO ₂ enrichment	<i>Indian J. Plant Physiol.</i> 15(4) (N.S.): 343-349	4.66	1
102.	Pandita, V.K., Anand, A., Nagarajan, S., Seth, R. and Sinha, S.N.	2010	Solid matrix priming improves seed emergence and crop performance in okra	<i>Seed Sci. Technol.</i> 38: 665-674	6.48	8
103.	Paul, V., Pandey R. and Srivastava, G.C.	2010	Ripening of tomato (<i>Solanum lycopersicum</i> L.) Part I: 1-Methylcyclopropene mediated delay at higher storage temperature	<i>J. Food Sci. Technol.</i> 47: 519-526	8.20	17
104.	Paul, V., Pandey R. and Srivastava, G.C.	2010	Ripening of tomato (<i>Solanum lycopersicum</i> L.). Part II: Regulation by its stem scar region	<i>J. Food Sci. Technol.</i> 47: 527-533	8.20	7



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105.	Ren, Z., Zheng, Z., Chinnusamy, V., Zhu, J., Cui, X., Iida, K., Zhu, J.K.	2010	RAS1, a quantitative trait locus for salt tolerance and ABA sensitivity in <i>Arabidopsis</i>	<i>Proc. Natl. Acad. Sci. USA</i> 107: 5669-5674	-	66
106.	Sairam, R.K., Dharmar, K., and Chinnusamy, V.	2010	Ethylene synthesis, aerenchyma formation and expression of xyloglucan endotransglycosylase in roots of <i>vigna</i> spp. Under waterlogging condition	<i>Indian J. Plant Physiol.</i> 15(N.S.): 327-337	4.66	-
107.	Santosh Kumari	2010	Cellular changes and their relationship to morphology, abscisic acid accumulation and yield in wheat (<i>Triticum aestivum</i>) cultivars under water stress	<i>American J. Plant Physiol.</i> 5(5): 257-277	-	4
108.	Vikas, V.K., Arora, Ajay and Singh, V.P.	2010	Inositol prevents senescence of gladiolus flowers	<i>Indian J. Plant Physiol.</i> 15(4): 303-309	4.66	1
109.	Aien, A., Bahuguna, R.N., Khetarpal, S. and Singh Madan Pal	2011	Higher glycinebetaine and antioxidant enzymes activity are associated with high temperature tolerance in potato	<i>Indian J. Plant Physiol.</i> 16(3&4) N.S.: 284-292	4.66	5
110.	Aien, A., Khetarpal S. and Pal Madan	2011	Photosynthetic characteristics of potato cultivars grown under high temperature	<i>American-Eurasian J. Agril. Environ. Sci.</i> 11(5): 633-639	-	11
111.	Almeselmani, M., Deshmukh., P.S. and Chinnusamy, V.	2011	Effects of prolonged high temperature stress on respiration, photosynthesis and gene expression in wheat (<i>Triticum aestivum</i> L.) varieties differing in their thermo-tolerance	<i>Plant Stress</i> 6: 25-32	-	25
112.	Anand, A., Bhardwaj, J. and Nagarajan, S.	2011	Comparative evaluation of seed coat dormancy breaking treatments in <i>Stylosanthes seabrana</i>	<i>Grass Forage Sci.</i> 66: 272-276	-	1
113.	Bhagat, K., Sairam, R.K., Deshmukh and Kushwaha, S.R.	2011	Bio-chemical changes in stem of lodging tolerant and susceptible wheat (<i>Triticum aestivum</i> L.) genotypes under normal and late sown conditions	<i>Indian J. Plant Physiol.</i> 16(1): 68-74	4.66	1
114.	Gurjeet, K., Chandana, R., Pandey, R., Abrol, Y.P., Iqbal, M. and Ahmad, A.	2011	Sulphur starvation and restoration affect nitrate uptake and assimilation in rapeseed	<i>Protoplasma</i> 248: 299-311	-	15



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115.	Jain, V., Khetarpal, S., Das R. and Abrol, Y.P.	2011	Nitrate assimilation in contrasting wheat genotypes	<i>Physiol. Mol. Biol. Plants</i> 17(2): 137-144	-	5
116.	Jain, V., Pandey, R. and Sairam, R.K.	2011	Differential response of wheat genotypes to low nitrogen stress: variation in antioxidant capacity	<i>Indian J. Plant Physiol.</i> 16: 237-244	4.66	-
117.	Jhalegar, M.J., Sharma, R.R., Pal, R.K., Arora, A. and Dahuja, A.	2011	Analysis of physiological and biochemical changes in kiwifruit (<i>Actinidia deliciosa</i> cv. Allison) after the postharvest treatment with 1-Methylcyclopropene	<i>J. Plant Biochem. Biotech.</i> 20(2): 205-210	-	10
118.	Joshi, R. and Kumar, P.	2011	Lysigenous aerenchyma formation involves non-apoptotic programmed cell death in rice (<i>Oryza sativa</i> L.) roots	<i>Physiol. Mol. Biol. Plants</i> 18(1): 1-9	-	20
119.	Joshi, R., Shukla, A. and Sairam, R.K.	2011	In vitro screening of rice genotypes for drought tolerance using polyethylene glycol	<i>Acta Physiol. Plant.</i> 33: 2209-2217	7.58	22
120.	Kant K., Arora, A., Singh, V.P. and Rajkumar	2011	Role of oxalic acid on shelf life and physicochemical characteristics of tomato (<i>Solanum lycopersicon</i> L.)	<i>Indian J. Hort.</i> 69(2): 209-214	6.13	-
121.	Kumar, P. and Joshi, R.	2011	<i>Vayviya</i> (Aerobic) <i>Dhan: Jal Ki Apryapta Mein Dhan Ki Kheti Ka Vikalp</i>	<i>Prasar Doot</i> 15(1): 17-19	-	-
122.	Kushwaha S.R., Deshmukh P.S., Sairam R.K. and Singh M.K.	2011	High temperature studies on growth, biomass & yield of wheat genotypes	<i>Indian J. Plant Physiol.</i> 16(1): 102-106	4.66	-
123.	Lata, K., Srivastav, M., Dubey, A.K., Singh, A.K and Sairam, R.K.	2011	Effect of polyamines on seedlings of two mango (<i>Mangifera indica</i> L.) rootstocks under salt stress	<i>Indian J. Plant Physiol.</i> 16(N.S.): 258-267	4.66	1
124.	Lenka S.K., Katiyar A., Chinnusamy V. and Bansal K.C.	2011	Comparative analysis of drought responsive transcriptome in Indica rice genotypes with contrasting drought tolerance	<i>Plant Biotech. J.</i> 9: 315-327	-	102



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125.	Li, D., Wang, Y., Zhang, K., Jiao, Z., Zhu, X., Skogerboe, G., Guo, X., Chinnusamy, V., Bi, L., Huang, Y., Dong, S., Chen, R. and Kan, Y.,	2011	Experimental RNomics and genomic comparative analysis reveal a large group of species-specific small non-message RNAs in the silkworm <i>Bombyx mori</i>	<i>Nucleic Acids Res.</i> 39: 3792-3805	-	10
126.	Mohan, R., Prasad, K.V., Kaur, C., Singh, S.K., Arora, A. and Kumar, S.	2011	Induction of anthocyanin pigments in callus cultures of <i>Rosa hybrida</i> L. in response to sucrose and ammonical nitrogen levels	<i>Plant Cell Tissue Organ Cult.</i> 104: 171-179	8.13	20
127.	Paul, V., Pandey, R. and Srivastava, G.C.	2011	Tomato fruit ripening: Regulation of ethylene production and its response	<i>Indian J. Plant Physiol.</i> 16: 117-131	4.66	12
128.	Saha, S., Chakraborty, D., Lata, Pal M. and Nagarajan S.	2011	Impact of elevated CO ₂ on utilization of soil moisture and associated soil biophysical parameters in pigeon pea (<i>Cajanus cajan</i> L.)	<i>Agric., Ecos. Environ.</i> 142(3&4): 213-221	-	14
129.	Sairam R.K., Dharmar, K., Lekshmy, S. and Chinnusamy, V.	2011	Expression of antioxidant defense genes in mung bean (<i>Vigna radiata</i> L.) roots under water-logging is associated with hypoxia tolerance	<i>Acta Physiol. Plant.</i> 33:735-744	7.58	19
130.	Sairam, R.K., Dharmar, K. Chinnusamy, V., Lekshmy, S, Joshi, R. and Bhattacharya, P.	2011	NADPH oxidase as the source of ROS produced under waterlogging in roots of mung bean	<i>Biol. Plant.</i> 55: 741-746	7.85	4
131.	Sairam, R.K., Vasanthan, B. and Arora, A.	2011	Calcium regulates Gladiolus flower senescence by influencing antioxidative enzymes activity	<i>Acta Physiol. Plant.</i> 33: 1897-1904	7.58	22
132.	Sharma, D.K., Dubey, A.K., Srivastav, M., Singh, A.K., Sairam, R.K., Pandey, R.N., Dahuja, A. and Kaur, C.	2011	Effect of Putrescine and Paclobutrazol on Growth, Physiochemical Parameters, and Nutrient Acquisition of Salt-sensitive Citrus Rootstock Karna khatta (<i>Citrus karna</i> Raf.) under NaCl Stress	<i>J. Plant Growth Regul.</i> 30(3): 301-311	8.24	40
133.	Shine, M.B., Guruprasad, K.N. and Anand, A.	2011	Enhancement of germination, growth and photosynthesis in soybean by pre-treatment of seeds with magnetic field	<i>Bioelectromag.</i> 32(6): 474-484	7.71	54



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134.	Shine, M.B., Guruprasad, K.N. and Anand, A.	2011	Superoxide radical production and performance index of Photosystem II in leaves from magnetoprimered soybean seeds	<i>Plant Signal. Behav.</i> 6: 1636-1638	-	6
135.	Shreenatha, N., Singh, V.P. and Arora, A.	2011	Regulation of fruit ripening by 1-Methylcyclopropene in banana	<i>Indian J. Plant Physiol.</i> 16(3-4): 267-274	4.66	-
136.	Singh, D., Kumar, V. and Pandey, R.	2011	Early maturing cotton genotypes for enhancing the productivity of cotton: A physiological analysis	<i>Indian J. Plant Physiol.</i> 16: 49-57	4.66	-
137.	Singh, D., Pandey, R. and Kumar, V.	2011	Performance of Bt and non Bt cotton hybrids at wider spacing in north western Plain zones	<i>J. Cotton Res. Dev.</i> 25: 217-220	-	1
138.	Tripura, K., Singh, G.P., Singh, A.M., Arora, A., Ahlawat, A. and Sharma, R.K.	2011	Stability analysis for physiological parameters and grain yield in bread wheat (<i>Triticum aestivum</i> L.)	<i>Indian J. Plant Physiol.</i> 16(1): 26-34	4.66	2
139.	Tripura, K., Singh, G.P., Singh, A.M., Arora, A., Ahlawat, A. and Sharma, R.K.	2011	Genetic analysis of wheat (<i>Triticum aestivum</i> L.) genotypes for physiological traits under different moisture regimes	<i>Indian J. Plant Physiol.</i> 16(3): 255-259	4.66	1
140.	Verma, D., Joshi R., Shukla A. and Kumar, P.	2011	Protocol for <i>in vitro</i> somatic embryogenesis and regeneration of rice (<i>Oryza sativa</i> L.)	<i>Indian J. Exp Biol.</i> 49: 958-963	-	18
141.	Yadav, H.K., Kumar, R. and Arora, A.	2011	Studies on genetic diversity among rice genotypes using RAPD and SSR markers	<i>Indian J. Plant Physiol.</i> 16(3): 260-265	4.66	-
142.	Abrol, Y.P., Pandey, R., Raghuram, N. and A, Altaf	2012	Nitrogen cycle sustainability and sustainable technologies for nitrogen fertilizer and energy management	<i>J. Indian Inst. Sci.</i> 92: 1, 17-36	-	3
143.	Agarwal, G., Choudhary, D. Singh, V.P. and Arora, A.	2012	Role of ethylene receptors during senescence and ripening in horticultural crops	<i>Plant Signal. Behav.</i> 7(7): 827-846	-	14
144.	Anand, A., Nagarajan, S., Verma, A.P.S., Joshi, D.K., Pathak, P.C. and Bhardwaj, J.	2012	Pre-treatment of seeds with static magnetic field ameliorates soil water stress in seedlings of maize (<i>Zea mays</i> L.)	<i>Indian J. Biochem. Biophys.</i> 49: 63-70	-	29



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145.	Bahuguna, R.N., Shah, D., Jha, J., Pandey, S.K., Khetarpal, S., Anand, A. and Madan Pal	2012	Effect of mild temperature stress on reproduction dynamics and yield of chickpea (<i>Cicer arietinum</i> L.)	<i>Indian J. Plant Physiol.</i> 17: 1-8	4.66	3
146.	Bhardwaj, J., Anand, A. and Nagarajan, S.	2012	Biochemical and biophysical changes associated with magnetopriming in germinating cucumber seeds	<i>Plant Physiol. Biochem.</i> 57: 67-73	8.76	29
147.	Chakraborty, K., Sairam, R.K. and Bhattacharya, R.C.	2012	Salinity-induced expression of pyrroline-5-carboxylate synthetase determines salinity tolerance in <i>Brassica</i> spp.	<i>Acta Physiol. Plant.</i> DOI: 10.1007/s11738-012-0994	7.58	12
148.	Chakraborty, K., Sairam, R.K. and Bhattacharya, R.C.	2012	Differential expression of salt overly sensitive pathway genes determines salinity stress tolerance in <i>Brassica</i> genotypes	<i>Plant Physiol. Biochem.</i> 51: 90-101	8.76	43
149.	Katiyar, A., Smita, S., Chinnusamy, V., Pandey D., and Bansal K.C.	2012	Identification of novel miRNAs in sorghum by using bioinformatics approach	<i>Plant Signal. Behav.</i> 7: 246-259	-	19
150.	Kumar, A.R., Sairam, R.K., Deshmukh, P.S., Pal, M., Khetarpal, S., Pandey, S.K., Kushwaha, S.R. and Singh, T.P.	2012	High temperature stress and accumulation of compatible solutes in chickpea (<i>Cicer arietinum</i> L.)	<i>Indian J. Plant Physiol.</i> 17(2): 145-150	4.66	5
151.	Kumar, P. and Joshi, R.	2012	Aerobic rice: An option for growing rice under limited water availability	<i>Indian Farming</i> 62(2): 11-14	-	2
152.	Lakshmisha, G., Singh, V.P., Shivakumar, B.G. and Arora, A.	2012	Effect of organic and inorganic sources of nutrients on physiological traits of soybean (<i>Glycine max</i> (L.) Merr)	<i>Indian J. Plant Physiol.</i> 17(1): 52-56	4.66	-
153.	Li, Z., Li, Z., Gao, X., Chinnusamy, V., Bressan, R., Wang, Z.X., Zhu, J.K., Wu, J.W. and Liu, D.	2012	ROP11 GTPase negatively regulates ABA signaling by protecting ABI1 phosphatase activity from inhibition by the ABA receptor RCAR1/PYL9 in <i>Arabidopsis</i>	<i>J. Integrative Plant Biol.</i> 54: 180-188	-	25
154.	Pal, M., Jagadish, S.V.K., Craufurd, P.Q., Fitzgerald, M., Lafarge, T. and Wheeler, T. R.	2012	Effect of elevated CO ₂ and high temperature on seed-set and grain quality of rice	<i>J. Exp. Bot.</i> 63(10): 3843-3852	-	71



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155.	Pandey, R., Kumari, A., Paul, V. and Ghildiyal, M.C.	2012	An efficient and thermostable soluble starch synthase in developing maize grain	<i>Indian J. Agric. Sci.</i> 82: 548-551	6.14	1
156.	Saha, S., Sehgal, V.K., Nagarajan, S. and Madan Pal	2012	Impact of elevated atmospheric CO ₂ on radiation utilization and related plant biophysical properties in pigeonpea (<i>Cajanus cajan</i> L.)	<i>Agric. Forest Meteo.</i> 158-159:63-70	-	13
157.	Sairam, R.K., Chinnusamy, V., Arora, A., Bhattacharya, P., Joshi, R. and Trivedi, S.	2012	Non-symbiotic hemoglobin and nitrate reductase constitute an alternative to fermentation in waterlogging tolerance of mung bean [<i>Vigna radiata</i> (L.) Wilczek]	<i>Indian J. Plant Physiol.</i> 17(2): 93-102	4.66	1
158.	Sairam, R.K., Dharmar, K. Chinnusamy, V., Lekshmy, S, Joshi, R. and Bhattacharya, P.	2012	The role of non-symbiotic haemoglobin and nitric oxide homeostasis in waterlogging tolerance in <i>Vigna</i> species	<i>Biol. Plant.</i> DOI: 10.1007/s10535-012-0064	7.85	8
159.	Sairam, R.K., Vasanthan, B. and Arora, A.	2012	Calcium regulates gladiolus flower senescence by influencing senescence associated genes	<i>Indian J. Plant Physiol.</i> 17(N.S.): 28-36	4.66	22
160.	Santosh Kumari	2012	Influence of Drip Irrigation and Mulch on Leaf Area Maximization, Water Use Efficiency and Yield of Potato (<i>Solanum tuberosum</i> L.)	<i>J. Agric. Sci.</i> 4(1): 71-80	6.14	4
161.	Sharma, S., Sharma, R.R., Pal, R.K., Paul, V. and Dahuja, A.	2012	1-Methylcyclopropene influences biochemical attributes and fruit softening enzymes of 'Santa Rosa' Japanese plum (<i>Prunus salicina</i> Lindl.)	<i>J. Plant Biochem. Biotec.</i> DOI: 10.1007/s13562-011-0098-6	7.09	4
162.	Shine, M.B., Guruprasad, K.N. and Anand, A.	2012	Effect of stationary magnetic field strength of 150 and 200 mT on reactive oxygen species production in soybean	<i>Bioelectromag.</i> 33(5): 428-37	7.71	29
163.	Bahuguna, R.N., Shah, D., Jha, J., Pandey, S.K., Khetarpal, S., Anand, A. and Pal, M.	2012	Effect of mild temperature stress on reproduction dynamics and yield of chickpea (<i>Cicer arietinum</i> L.)	<i>Indian J. Plant Physiol.</i> 17: 1-8	4.66	3
164.	Chakraborty, K., Sairam, R.K. and Bhattacharya, R.C.	2012	Differential expression of salt overly sensitive pathway genes determines salinity stress tolerance in <i>Brassica</i> genotypes	<i>Plant Physiol. Biochem.</i> 51: 90-101	8.76	43



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165.	Chakraborty, K., Sairam, R.K. and Bhattacharya, R.C.	2012	Salinity-induced expression of pyrroline-5-carboxylate synthetase determines salinity tolerance in <i>Brassica</i> spp.	<i>Acta Physiol. Plant</i> 34: 1935-1941	7.58	12
166.	Dwivedi, S.K., Singh, V.P., Singh, G.P. and Arora, A.	2012	Combined effect of cytokinin, paclobutrazol and ascorbic acid on nitrogen metabolism and yield of wheat (<i>Triticum aestivum</i> L.) under water stress condition	<i>Indian J. Plant Physiol.</i> 17: 259-267	4.66	5
167.	Gupta, S., Gupta, N.K., Arora, A. and Purohit, A.K.	2012	Effect of water stress on photosynthetic attributes, membrane injury and yield in contrasting wheat genotypes	<i>Indian J. Plant Physiol.</i> 17: 22-27	4.66	5
168.	Kant, K., Arora, A., Singh, V.P. and Kumar, R.	2012	Role of oxalic acid on shelf life and physicochemical characteristics of tomato (<i>Solanum lycopersicon</i> L.)	<i>Indian J. Hort.</i> 69: 209-214	6.13	-
169.	Kant, K. and Arora, A.	2012	Cysteine protease regulates flower senescence in ethylene-insensitive <i>Gladiolus</i>	<i>Indian J. Plant Physiol.</i> 17: 44-51	4.66	1
170.	Katiyar, A., Smita, S., Lenka, S.K., Rajwanshi, R., Chinnusamy, V. and Bansal, K.C.	2012	Genome-wide classification and expression analysis of MYB transcription factor families in rice and Arabidopsis	<i>BMC Genomics</i> 13: 544	9.99	97
171.	Kumar, A.R., Sairam, R.K., Deshmukh, P.S., Pal, M., Khetrapal, S., Pandey, S.K., Kushwaha, S.R. and Singh, T.P.	2012	Higher temperature stress and accumulation of compatible solutes in chickpea (<i>Cicer arietinum</i> L.)	<i>Indian J. Plant Physiol.</i> 17: 145-150	4.66	5
172.	Kumar, P., Rai, P., Chaturvedi, A.K., Khetrapal, S. and Pal, M.	2012	High atmospheric CO ₂ delays leaf senescence and crop maturity in chickpea (<i>Cicer arietinum</i> L.)	<i>Indian J. Plant Physiol.</i> 17: 254-258	4.66	-
173.	Lakshmisha, G., Singh, V.P., Shivakumar, B.G. and Arora, A.	2012	Effect of organic and inorganic sources of nutrients on physiological traits of soybean (<i>Glycine max</i> (L.) Merr)	<i>Indian J. Plant Physiol.</i> 17: 52-56	4.66	-
174.	Li, Z., Gao, X., Chinnusamy, V., Bressan, R., Wang, Z.X., Zhu, J.K., Wu, J.W. and Liu, D.	2012	ROP11 GTPase negatively regulates ABA signaling by protecting ABI1 phosphatase activity from inhibition by the ABA receptor RCAR1/PYL9 in Arabidopsis	<i>J. Integr. Plant Biol.</i> 54: 180-188	9.34	25



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175.	Mohan, R., Prasad, K.V., Singh, S.K., Kaur, C., Arora, A. and Kumar, S.	2012	Induction of carotenoid pigments in callus cultures of <i>Calendula officinalis</i> L. in response to nitrogen and sucrose levels	<i>In vitro Cell. Dev. Biol. Plant</i> 48: 99-106	7.21	10
176.	Pal, M., Jagadish, S.V.K., Craufurd, P.Q., Fitzgerald, M., Lafarge, T. and Wheeler, T.R.	2012	Effect of elevated CO ₂ and high temperature on seed-set and grain quality of rice	<i>J. Exp. Bot.</i> 63: 3843-3852	-	71
177.	Pandey, R., Kumari, A., Paul, V. and Ghildiyal, M.C.	2012	An efficient and thermostable soluble starch synthase in developing maize grain	<i>Indian J. Agric. Sci.</i> 82: 548-551	6.14	1
178.	Paul, V., Pandey, R. and Srivastava, G.C.	2012	The fading distinctions between classical patterns of ripening in climacteric and non-climacteric fruit and the ubiquity of ethylene- An overview	<i>J. Food Sci. and Technol.</i> 49: 1-21	8.20	56
179.	Sairam, R.K., Chinnusamy, V., Arora, A., Bhattacharya, P. and Joshi, R.	2012	Non-symbiotic hemoglobin and nitrate reductase constitute an alternative to fermentation in waterlogging tolerance of mung bean (<i>Vigna radiata</i> (L.) Wilczek)	<i>Indian J. Plant Physiol.</i> 17: 93-102	4.66	1
180.	Sairam, R.K., Dharmar, K., Chinnusamy, V., Lekshmy, S., Joshi, R. and Bhattacharya, P.	2012	The role of non-symbiotic haemoglobin and nitric oxide homeostasis in waterlogging tolerance in <i>Vigna</i> species	<i>Biol. Plant</i> 56: 528-536	7.85	8
181.	Sairam, R.K., Vasanthan, B. and Arora, A.	2012	Calcium regulates Gladiolus flower senescence by influencing senescence associated genes	<i>Indian J. Plant Physiol.</i> 17: 28-36	4.66	22
182.	Singh, D., Shamim, M., Pandey, R. and Kumar, V.	2012	Growth and yield of wheat genotypes in relation to environmental constraints under timely sown irrigated condition	<i>Indian J. Plant Physiol.</i> 17: 113-120	4.66	-
183.	Zhan, X., Wang, B., Li, H., Liu, R., Kalia, R.K., Zhu, J.K. and Chinnusamy, V.	2012	Arabidopsis proline-rich protein important for development and abiotic stress tolerance is involved in micro RNA biogenesis	<i>Proc. Nat. Acad. Sci. USA</i> 109: 18198-18203	-	53
184.	Bellundagi, A., Singh, G.P., Singh, A.M., Arora, A., Jain, N., Sai Prasad, S.V., Kumar, J., Ahlawat, A. and Ramya, P.	2012	Genetic diversity for moisture deficit stress adaptive traits in bread wheat (<i>Triticum aestivum</i> L.)	<i>Indian J. Plant Physiol.</i> 18: 131-135	4.66	3



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185.	Ben-Chaabane, S., Liu, R., Chinnusamy, V., Kwon, Y., Park, J.H., Kim, S.Y., Zhu, J.K., Yang, S.W. and Lee, B.H.	2012	<i>STAI</i> , an <i>Arabidopsis</i> pre-mRNA processing factor 6 homolog, is a new player involved in miRNA biogenesis	<i>Nucleic Acids Res.</i> 41: 1984-1997	15.11	39
186.	Chandrakala, J.U., Chaturvedi, A.K., Ramesh, K.V., Rai, P., Khetarpal, S. and Pal, M.	2012	Acclimation response of signaling molecules for high temperature stress on photosynthetic characteristics in rice genotypes	<i>Indian J. Plant Physiol.</i> 18: 142-150	4.66	1
187.	Choudhary, R.L., Kumar, D., Shivay, Y.S., Anand, A. and Nain, L.	2013	Yield and quality of rice (<i>Oryza sativa</i>) hybrids grown by SRI method with and without plant growth promoting rhizobacteria	<i>Indian J. Agron.</i> 58: 430-433	5.00	-
188.	Dalal, M., Chinnusamy, V. and Bansal, K.C.	2013	Abiotic stress response of transgenic <i>Arabidopsis</i> overexpressing <i>Brassica napus</i> group 1 <i>LEA</i> genes	<i>Proc. Indian Nat. Sci. Acad.</i> 79: 57-64	-	-
189.	Hegab, M.M., Abdelgawad, H., Abdelhamed, M.S., Hammouda, O., Pandey, R., Kumar, V. and Zinta, G.	2013	Effects of triclin isolated from jungle rice (<i>Echinochloa colona</i> L.) on amylase activity and oxidative stress in wild oat (<i>Avena fatua</i> L.)	<i>Allelopathy J.</i> 31: 345-354	6.52	4
190.	Joshi, R. and Kumar, P.	2013	Regulation of somatic embryogenesis in crops: A review	<i>Agricultural Reviews</i> 34: 1-20	3.31	11
191.	Kallesh, D.T., Singh, G.P., Singh, A.M., Sharma, R.K., Arora, A. and Ahlawat, A.	2013	Association of physiological and morphological traits with grain yield under moisture stress conditions in bread wheat (<i>Triticum aestivum</i>)	<i>Indian. J. Agri. Sci.</i> 83: 98-100	6.14	-
192.	Kanakala, S., Sakhare, A., Verma, H.N. and Malathi, V.G.	2013	Infectivity and the phylogenetic relationship of a mastrevirus causing chickpea stunt disease in India	<i>European J. Plant Pathol.</i> 135: 429-438	7.49	4
193.	Kant, K., Arora, A., Singh, V.P. and Kumar, R.	2013	Effect of exogenous salicylic acid and oxalic acid application on post harvest shelf-life of tomato (<i>Solanum lycopersicon</i> L.)	<i>Indian J. Plant Physiol.</i> 18: 15-21	4.66	-
194.	Kashiri, H.O., Kumar, D., Shivay, Y.S., Kumar, R. and Anand, A.	2013	Growth, productivity and profitability of aromatic hybrid rice (<i>Oryza sativa</i>) as affected by essential oils coated prilled urea under aerobic condition	<i>Indian J. Agron.</i> 8: 316-321	5.00	2



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195.	Kumar, P., Pal, M., Joshi, R. and Sairam, R.K.	2013	Yield, growth and physiological responses of mung bean [<i>Vigna radiata</i> (L.) Wilczek] genotypes to waterlogging at vegetative stage	<i>Physiol. Mol. Biol. Plants</i> 19: 209-220	4.63	10
196.	Kumar, M., Sharma, R.K., Kumar, P., Singh, G.P., Sharma, J.B. and Gajghate, R.	2013	Evaluation of bread wheat (<i>Triticum aestivum</i> L.) genotypes for terminal heat tolerance through physiological traits and grain yield	<i>Indian J. Genet. Plant Breed</i> 73: 446-449	6.19	2
197.	Kumar, S., Singh, S.S., Dwivedi, S.K., Elanchezhian, R., Singh, O.N., Arora, A. and Bhatt, B.P.	2013	Influence of aerobic condition on physiological traits and yield attributes of rice (<i>Oryza sativa</i> L.) genotypes under rainfed lowland	<i>Indian J. Plant Physiol.</i> 18: 263-269	4.66	1
198.	Lekshmy, S., Jain, V., Khetarpal, S. and Pandey, R.	2013	Inhibition of nitrate uptake and assimilation in wheat seedlings grown under elevated CO ₂	<i>Indian J. Plant Physiol.</i> 18: 23-29	4.66	10
199.	Lekshmy, S., Sairam, R.K. and Kushwaha, S.R.	2013	Effect of long-term salinity stress on growth and nutrient uptake in contrasting wheat genotypes	<i>Indian J. Plant Physiol.</i> 18: 344-353	4.66	1
200.	Manna, S., Singh, N. and Singh, V.P.	2013	Effect of elevated CO ₂ on degradation of azoxystrobin and soil microbial activity in rice soil	<i>Environ. Monit. Assess.</i> 185: 2951-2960	7.68	15
201.	Muthusamy, S.K., Singh, S.K., Singh, I., Singh, A.K., Chinnusamy, V. and Bansal, K.C.	2013	Expression analysis of C ₄ photosynthetic pathway related genes in seven rice genotypes during grain filling stage	<i>Proc. Indian Nat. Sci. Acad.</i> 79: 91-98	-	-
202.	Pal, M., Chaturvedi, A.K., Shah, D., Bahuguna, R.N., Sadhana, Singh, S., Mukhopadhyay, D., Khetarpal, S., Anand, A., Deshmukh, P.S., Bhardwaj, C. and Kumar, J.	2013	Growth dynamics and temperature sensitivity of late planting chickpea under Delhi conditions	<i>Indian J. Plant Physiol.</i> 18: 79-82	4.66	-
203.	Pandey, R., Krishnapriya, V., Kishora, N., Singh, S.B. and Singh, B.	2013	Shoot labelling with ¹⁴ CO ₂ . A technique for assessing total root carbon exudation under phosphorus stress	<i>Indian J. Plant Physiol.</i> 18: 250-262	4.66	5



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204.	Pandey, R., Paul, V., Bhargava, S.C. and Dadlani, M.	2013	The earliest findings on the role of smoke as germination cue were reported by P. Parija and co-workers from India	<i>Curr. Sci.</i> 104: 811-812	6.93	-
205.	Pandey, R., Paul, V., Sehgal, V., Singh, M.P. and Bandopadhyay, S.K.	2013	Monitoring of CO ₂ exchange and carbon pools in vegetation and soil	<i>Indian J. Plant Physiol.</i> 18: 98-117	4.66	-
206.	Paul, V., Pandey, R. and Singh, A.	2013	Delaying tomato fruit ripening by 1-methylcyclopropene (1-MCP) for better postharvest management: Current status and prospects in India	<i>Indian J. Plant Physiol.</i> 18: 195-207	4.66	2
207.	Prochazkova, D., Sairam, R.K., Lekshmy, S. and Wilhelmová, N.	2013	Differential response of a maize hybrid and its parental lines to salinity stress	<i>Czech J. Genet. Plant Breed.</i> 49: 9-15	-	3
208.	Saad Gazala, I.F., Sahoo, R.N., Pandey, R., Mandal, B., Gupta, V.K., Singh, R. and Sinha P.	2013	Spectral reflectance pattern in soybean for assessing yellow mosaic disease	<i>Indian J. Virol.</i> 24: 242-249	5.00	3
209.	Sailo, N., Verma, R., Pandey, R. and Jain, V.	2013	Effect of elevated carbon dioxide on nitrogen assimilation and mobilization in wheat and rye genotypes of different ploidy levels	<i>Indian J. Plant Physiol.</i> 18: 333-338	4.66	3
210.	Salari, A., Sharma, A., Muthusamy, S.K., Singh, S.K., Chinnusamy, V. and Bansal, K.C.	2013	An improved protocol for high frequency plant regeneration from mature embryos of wheat	<i>Proc. Indian Nat. Sci. Acad.</i> 79: 159-166	-	-
211.	Smita, S., Rajwanshi, R., Lenka, S.K., Katiyar, A., Chinnusamy, V. and Bansal, K.C.	2013	Expression profile of genes coding for carotenoid biosynthetic pathway during ripening and their association with accumulation of lycopene in tomato fruits	<i>J. Genet.</i> 92: 363-368	7.09	7
212.	Smita, S., Rajwanshi, R., Lenka, S.K., Katiyar, A., Chinnusamy, V. and Bansal, K.C.	2013	Comparative analysis of fruit transcriptome in tomato (<i>Solanumlycopersicum</i>) genotypes with contrasting lycopene contents	<i>Plant Mol. Biol. Rep.</i> 31: 1384-1396	10.26	1
213.	Thomas, S., Anand, A., Chinnusamy, V., Dahuja, A. and Basu, S.	2013	Magnetopriming circumvents the effect of salinity stress on germination in chickpea seeds	<i>Acta Physiol. Plant</i> 35: 3401-3411	7.58	4



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214.	Verma, S.S., Chinnusamy, V., Asif, M. and Bansal, K.C.	2013	Synergistic effect of C ₂ H ₂ type zinc-finger protein with LEA promoter to enhance abiotic stress tolerance in <i>Brassica juncea</i>	<i>Plant Omics J.</i> 6: 208-214	6.00	1
215.	Younesabadi, M., Das, T.K. and Pandey, R.	2013	Effect of herbicide tank-mixes on weed control, yield and physiological parameters of soybean (<i>Glycine max</i>) under tilled and no-tilled conditions	<i>Indian J. Plant Physiol.</i> 18: 290-294	4.66	1
216.	Zhang, X., Lii, Y., Wu, Z., Polishko, A., Zhang, H., Chinnusamy, V., Lonardi, S., Zhu, J.K., Liu, R. and Jin, H.	2013	Mechanisms of small RNA generation from cis-NATs in response to environmental and developmental cues	<i>Mol. Plant</i> 6: 704-715	-	19
217.	Zhao, Y., Chan, Z., Xing, L., Liu, X., Hou, Y.J., Chinnusamy, V., Wang, P., Duan, C. and Zhu, J.K.	2013	The unique mode of action of a divergent member of the ABA-receptor protein family in ABA and stress signalling.	<i>Cell Res.</i> 23: 1380-95	-	27
218.	Bahuguna, N., Jyoti, J., Pal, M., Shah, D., Lawas, L., Khetarpal, S. and Jagadish Krishna, S.V.	2014	Physiological and biochemical characterization of NERICA-L 44: A novel source of heat tolerance at the vegetative and reproductive stages in rice	<i>Acta Physiologia Plantarum.</i> PPL-2014-00417.R1	7.58	10
219.	Dwivedi, S.K., Arora, A., Singh, S.D., Singh, G.P., Nagar, S. and Kumar, S.	2014	PGR's improve carbohydrate metabolism and yield attributes in wheat under water deficit condition	<i>J. Wheat Res.</i> 5: 12-17	3.11	-
220.	Elanchezhian, R., Krishnapriya, V., Renu, R., Rao, A.S. and Abrol, Y.P.	2014	Physiological and molecular approaches for improving phosphorus uptake efficiency of crops	<i>Current Sci.</i>	6.93	6
221.	Jadhav, T., Kumar, D., Singh, Y.V., Anand, A. Prajapat, K. and Singh, N.	2014	Effect of different combinations of phosphorus and zinc levels and their mode of application on nutrient concentration, uptake and grain quality of aerobic rice	<i>Indian J. Fertilisers</i> 10: 38-44	3.78	-
222.	Jain, N., Singh, G.P., Yadav, R., Pandey, R., Ramya, P., Shine, M.B., Pandey, V.C., Rai, N., Jha, J. and Prabhu, K.V.	2014	Root trait characteristics and genotypic response in wheat under different water regimes	<i>Cereal Res. Comm.</i> 42: 426-438	-	-



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223.	Kant, K. and Arora, A.	2014	Effects of salicylic acid on postharvest physiology of tomato	<i>Indian J. Hort.</i> 71: 247-252	6.13	1
224.	Kumar, M., Singh, V.P., Arora, A. and Singh, N.	2014	The role of abscisic acid (ABA) in ethylene insensitive <i>Gladiolus grandiflora</i> Hort.) flower senescence	<i>Acta Physiol. Plant</i> 36: 151-159	7.58	6
225.	Kumar, M., Singh, V.P., Arora, A. and Sakhare, A.	2014	Physiological alteration in <i>gladiolus (Gladiolus grandiflora</i> Hort.) flower during senescence as affected by abscisic acid	<i>Indian J. Hort.</i> (Accepted)	6.13	6
226.	Kumar, M., Singh, V.P., Arora, A. and Singh, N.	2014	The role of abscisic acid (ABA) in ethylene insensitive <i>Gladiolus (Gladiolus grandiflora</i> Hort.) flower senescence	<i>Acta Physiol. Plant</i> 36: 151-159	7.58	6
227.	Kumar, M., Singh, B., Ahuja, S., Dahuja, A. and Anand, A.	2014	Gamma radiation and magnetic field mediated delay in effect of accelerated ageing of soybean	<i>J. Food Sci. & Tech.</i> , JFST-D-12-00180R2 (Accepted)	-	1
228.	Kumar, S., Dwivedi, S.K., Singh, S.S., Jha, S.K., Lekshmy, S., Elanchezhian, R., Singh, O.N. and Bhatt, B.P.	2014	Identification of drought tolerant rice genotypes by analysing drought tolerance Indices and morpho-physiological traits	<i>SABRAO J.</i>	4.00	4
229.	Kumari, A., Paul, V., Pandey, R. and Ghildiyal, M.C.	2014	Soluble starch synthase activity in relation to thermal tolerance of developing wheat (<i>Triticum aestivum</i> , <i>Triticum durum</i>) and maize (<i>Zea mays</i>)	<i>Indian J. Agric. Sci.</i> 84: 839-843	6.14	-
230.	Lekshmy, S., Sairam, R.K. and Kushwaha, S.R.	2014	Effect of long-term salinity stress on growth and nutrient uptake in contrasting wheat genotypes	<i>Indian J. Plant Physiol.</i> 18: 344-353	4.66	1
231.	Pal, M., Chaturvedi, A.K., Pandey, S.K., Bahuguna, R.N., Khetarpal, S. and Anand, A.	2014	Rising atmospheric CO ₂ may affect oil quality and seed yield of sunflower (<i>Helianthus annuus</i> L.)	<i>Acta Physiol Plant.</i> DOI: 10.1007/s11738-014-1651-4	7.58	1
232.	Pandey, R., Dubey, K.K., Ahmad, A., Nilofar, R., Verma, R., Jain, V., Zinta, G. and Kumar, V.	2014	Elevated CO ₂ improves growth and phosphorus utilization efficiency in cereal species under sub-optimal phosphorus supply	<i>J. Plant Nutr.</i>	6.49	2



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233.	Pandey, R., Meena, S.K., Krishnapriya, V., Ahmad, A. and Kishora, N.	2014	Root carboxylate exudation capacity under phosphorus-stress does not improve grain yield in greengram	<i>Plant Cell Rep.</i> DOI: 10.1007/s00299-014-1570-2	9.07	5
234.	Paul, V. and Pandey, R.	2014	Role of internal atmosphere on fruit ripening and storability-a review	<i>J. Food Sci. Tech.</i> 51: 1223-1250	-	12
235.	Ram, A., Kumar, D. and Anand, A.	2014	Direct and residual effect of sulphur on productivity, protein content and nutrient uptake in wheat under aerobic rice-wheat cropping system	<i>Indian J. Fertilisers</i> 10: 50-55	3.78	2
236.	Sakkira Begum, R., Satyavatthi, C.T., Paul, V. and Bhardwaj, C.	2014	Variability in physiological traits among different male sterile systems and hybrids of pearl millet [<i>Pennisetum glaucum</i> (L). R. Br]	<i>Indian J. Plant Physiol.</i> 19: 48-56	4.66	-
237.	Singh, B., Ahuja, S., Pandey, R. and Singhal, R.K.	2014	¹⁴ CO ₂ labeling: a reliable technique for rapid measurement of total root exudation capacity and vascular sap flow in crop plants	<i>J. Radio Analytical and Nuclear Chem.</i> DOI: 10.1007/s10967-014-3531-1	-	2
238.	Van Oosten, M.J., Bressan, R.A., Zhu, J.K., Bohnert, H.J. and Chinnusamy, V.	2014	The role of the epigenome in gene expression control and the epimark changes in response to the environment	<i>Crit. Rev. Plant Sci.</i> 33: 64-87	-	10
239.	Yadav, S., Kumar, P.N., Arora, A. and Singoda, A.	2014	Effect of protease inhibitors on physiological and biochemical changes influencing keeping quality in gladiolus	<i>Indian J. Hort.</i>	6.13	1
240.	Bahuguna, N., Jha, J., Pal, M., Shah, D., Lawas, L., Khetarpal, S. and Jagadish S.V.K.	2015	Physiological and biochemical characterization of NERICA-L 44: A novel source of heat tolerance at the vegetative and reproductive stages in rice	<i>Physiol. Plant.</i> 154: 543-559	9.14	10
241.	Budhagatapalli, N., Narasimhan, R., Rajaraman, J., Chinnusamy, V. and Nataraja, K.N.	2015	Ectopic expression of AtICE1 and OsICE1 transcription factor delays stress-induced senescence and improves tolerance to abiotic stresses in tobacco	<i>J. Plant Biochem. Biotechnol.</i> DOI: 10.1007/s13562-015-0340-8	7.09	1
242.	Elanchezhian, R., Krishnapriya, V., Pandey, R., Rao, A.S. and Abrol, Y.P.	2015	Physiological and molecular approaches for improving phosphorus uptake efficiency of crops	<i>Curr. Sci.</i> 108: 1271-1279	6:93	6



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243.	Ganie, A.H., Ahmad, A., Pandey, R., Aref, I.M., Yousuf, P.Y., Ahmad, S. and Iqbal, M.	2015	Metabolite profiling of low-P tolerant and low-P sensitive maize genotypes under phosphorus starvation and restoration conditions	<i>PLoS One</i> 10: e0129520. doi:10.1371/journal.pone.0129520	9.23)	5
244.	Gupta, M.K., Anand, A., Paul, V., Dahuja, A. and Singh, A.K.	2015	Reactive oxygen species mediated improvement in vigour of static and pulsed magneto-primed cherry tomato seed	<i>Indian J. Plant Physiol.</i> 20: 205-212	4.66	-
245.	Gupta, N.K., Khan, A., Maheshwari, A., Narayan, S., Chhapola, O.P., Arora, A. and Singh, G.	2015	Effect of post anthesis high temperature stress on growth, physiology and antioxidative defense mechanisms in contrasting wheat genotypes.	<i>Indian J. Plant Physiol.</i> 20: 103-110	4.66	1
246.	Katiyar, A., Smita, S., Muthusamy, S.K., Chinnusamy, V., Pandey, D.M. and Bansal, K.C.	2015	Identification of novel drought-responsive micro RNAs and trans-acting siRNAs from <i>Sorghum bicolor</i> (L.) Moench by high-throughput sequencing analysis	<i>Front. Plant Sci.</i> 6: 506 DOI: 10.3389/fpls.2015.00506	9.95	3
247.	Kumar, M., Hasan, M., Arora, A., Gaikwad, K., Kumar, S., Rai, R.D. and Singh, A.	2015	Sodium chloride-induced spatial and temporal manifestation in membrane stability index and protein profiles of contrasting wheat (<i>Triticum aestivum</i> L.) genotypes under salt stress	<i>Indian J. Plant Physiol.</i> 20: 271-275	4.66	-
248.	Kumar, M., Singh, V.P., Arora, A., Dhandapani, R. and Sakhare, A.S.	2015	Physiological alteration in gladiolus flower during senescence as affected by abscisic acid	<i>Indian J. Hort.</i> 72: 397-401	6.13	-
249.	Kumar, M., Singh, B., Ahuja, S., Dahuja, A. and Anand, A.	2015	Gamma radiation and magnetic field mediated delay in effect of accelerated ageing of soybean	<i>Journal of Food Science and Technology</i> 52: 4785-4796	8.20	1
250.	Kumar, R.R., Goswami, S., Sharma, S.K., Kala Yugal, K., Rai, G.K., Mishra, D.C., Grover, M., Singh, G.P., Pathak, H., Rai, A., Chinnusamy, V. and Rai, R.D.	2015	Harnessing next generation sequencing in climate change: rna-seq analysis of heat stress-responsive genes in wheat (<i>Triticum aestivum</i> L.)	<i>OMICS</i> DOI: 10.1089/omi.2015.0097	8.362	2
251.	Kumar, S., Singh, V. P., Nagar, S., Ramakrishnan, S. and Arora, A.	2015	Foliar applied salicylic acid modulate the antioxidant defense system and expression of Hsp70 in wheat (<i>Triticum aestivum</i> L.) under heat stress	<i>Eco. Environ. Conserv.</i> 21: 493-497	5.02	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
252.	Lekshmy, S., Sairam, R.K., Chinnusamy, V. and Jha, S.K.	2015	Differential transcript abundance of salt overly sensitive (SOS) pathway genes is a determinant of salinity stress tolerance of wheat	<i>Acta Physiol. Plant.</i> 37: 1-10	7.58	-
253.	Lekshmy S., Jain V., Khetarpal S., Verma R., Sailo N. and Pandey R.	2015	Influence of elevated carbon dioxide and ammonium nutrition on growth and nitrogen metabolism in wheat	<i>Indian Journal of Agriculture Sciences.</i> 86(1): xx-xx	6.14	-
254.	Lima, J.M., Nath, M., Dokku, P., Raman, K.V., Kulkarni, K., Chandrapal, V., Sahoo, S., Mohapatra, U.B., Amitha, M.S.V., Chinnusamy, V., Robin, S., Sarla, N., Seshashayee, M., Singh, K., Singh, A.K., Singh, N.K., Sharma, R.P. and Mohapatra, T.	2015	Physiological, anatomical and transcriptional alterations in an EMS induced rice mutant leading to enhanced water stress tolerance	<i>AoB Plants</i> 7: plv023 doi: 10.1093/aobpla/plv023	8.27	-
255.	Nagar, S., Arora, A. Singh, V.P., Ramakrishnan, S., Umesh, D.K., Saini, R.P. and Kumar, S.	2015	Effect of cytokinin analogues on cytokinin metabolism and stress responsive genes under osmotic stress in wheat	<i>The Bioscan</i> 10: 67-72	4.57	2
256.	Nagar, S., Ramakrishnan, S., Singh, V. P., Singh, G. P., Dhakar, R., Umesh, D. K. and Ajay Arora	2015	Cytokinin enhanced biomass and yield in wheat by improving N-metabolism under water limited environment	<i>Indian J. Plant Physiol.</i> 20: 31-38	4.66	1
257.	Nagar, S., Singh, V. P., Arora, A., Dhakar, R. and Ramakrishnan, S.	2015	Assessment of terminal heat tolerance ability of wheat genotypes based on physiological traits using multivariate analysis	<i>Acta Physiol. Plant.</i> DOI: 10.1007/s11738-015-2017-2	7.58	-
258.	Pandey, R., Dubey, K.K., Ahmad, A., Nilofar, R., Verma, R., Jain, V., Zinta, G. and Kumar, V.	2015	Elevated CO ₂ improves growth and phosphorus utilization efficiency in cereal species under sub-optimal phosphorus supply	<i>J. Plant Nutr.</i> 38: 1-22	6.49	2
259.	Pandey, R., Khetarpal, S., Jain, V. and Kushwaha, S.R.	2015	Phosphorus fertilization improves growth analysis traits and reduces anthesis-silking interval leading to increased grain yield in maize	<i>Indian J. Plant Physiol.</i> 20: 385-390	4.66	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
260.	Pandey, R., Zinta, G., AbdElgawad, H., Ahmad, A., Jain, V. and Janssens, I.A.	2015	Physiological and molecular alterations in plants exposed to high [CO ₂] under phosphorus stress	<i>Biotechnol. Adv.</i> 33: 303-316	15.02	6
261.	Ramya, K.T., Jain, N., Ramya, P., Singh, P.K., Arora, A., Singh, G.P. and Prabhu, K.V.	2015	Genotypic variation for normalized difference vegetation index and its relationship with grain yield in wheat under terminal heat stress	<i>Indian J. Genet.</i> 75: 174-182	6.19	1
262.	Saha S., Sehgal V.K., Chakraborty D. and Madan Pal	2015	Atmospheric carbon dioxide enrichment induced modifications in canopy radiation utilization, growth and yield of chickpea [<i>Cicer arietinum</i> L.]	<i>Agricultural and Forest Meteorology</i> 202: 102-111	9.76	2
263.	Saha S., Chakraborty D., Sehgal V.K. and Madan Pal	2015	Rising atmospheric CO ₂ : Potential impacts on chickpea seed quality	<i>Agriculture, Ecosystems and Environment</i> 203: 140-146	9.4	3
264.	Sai Prasad S.V., Saxena, D.C., Parashar, R., Rathi, I. and Gautam A.	2015	Phenological, morpho-physiological and root characteristics in relation to productivity of wheat genotypes under early and late heat conditions	<i>Ann. Agri. Res.</i> 36: 138-143	3.02	-
265.	Satheesh, V., Chidambaramathan, P., Jagannadham, P.T., Kumar, V., Jain, P.K., Chinnusamy, V., Bhat, S.R. and Srinivasan, R.	2015	Transmembrane START domain proteins: in silico identification, characterization and expression analysis under stress conditions in chickpea (<i>Cicer arietinum</i> L.)	<i>Plant Signal Behav.</i> DOI: 10.4161/15592324.2014.992698	-	-
266.	Singh D., Pal, M. Singh R., Singh C.K. and Chaturvedi A.K.	2015	Physiological and biochemical characteristics of <i>Vigna species</i> for Al stress tolerance	<i>Acta Physiol. Plant</i> 37: 87	7.59	4
267.	Smita, S., Katiyar, A., Pandey, D.M., Chinnusamy, V. and Bansal, K.C.	2015	Transcriptional regulatory network analysis of MYB transcription factor family genes in rice	<i>Front. Plant Sci.</i> DOI: 10.3389/fpls.2015.01157	9.95	-
268.	Verma, R., Pandey, R., Singh, A.K., Jain, V. and Nilofar, R.	2015	Cloning and molecular characterization of high-affinity nitrate transporter gene <i>BjNRT2.1</i> from Indian mustard	<i>Indian J. Plant Physiol.</i> 20: 63-71	4.66	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation index
269.	Vineeth, T. V. Kumar, P. and Krishna, G.K.	2015	Bioregulators protected photosynthetic machinery by inducing expression of photorespiratory genes under water stress in chickpea	Photosynthetica 54(X): XXX-XXX	7.41	-
270.	Vineeth, T.V. Kumar, P., Yadav, S. and Pal, M.	2015	Optimization of bio-regulators dose based on photosynthetic and yield performance of chickpea (<i>Cicer arietinum</i> L.) genotypes	<i>Indian J. Plant Physiol.</i> 20: 177-181	4.66	1
271.	Yadav, S., Naveen Kumar, P., Arora, A. and Kumar, R.	2015	Effect of protease inhibitors on physiological and biochemical changes influencing keeping quality in gladiolus	<i>Indian J. Hort.</i> 72: 92-99	6.13	1

Faculty Profile

(i) Professors

S. No.	Name	Period
1.	Dr. G.C. Srivastava	Sept. 2005 - June 2008
2.	Dr. M.C. Ghildyal	June 2008 - Nov. 2008
3.	Dr. R.K. Sairam	Dec. 2008 - Jan. 2009
4.	Dr. V.P. Singh	Feb. 2009 - continue

(ii) Heads

S. No.	Name	Period
1.	Dr. P.S. Desmukh	Sept. 2005 - Nov. 2008
2.	Dr. J.S. Panwar	Dec. 2008 - Jan. 2009
3.	Dr. R.K. Sairam	Feb. 2009 - Dec. 2012
4.	Dr. V.P. Singh	Jan. 2013 - June 2013
5.	Dr. C. Viswanathan	July 2013 - continue

(iii) Faculty Members

S. No.	Name of Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. C. Viswanathan	Ph.D.	Abiotic Stress Response of Plants	32	45
2.	Dr. V.P. Singh	Ph.D.	Post harvest Physiology and Abiotic Stress	11	12
3.	Dr. Santosh Kumari	Ph.D.	Abiotic Stress	15	24



S. No.	Name of Faculty	Qualification	Specialization	h-Index	i10-Index
4.	Dr. Bhupinder Singh	Ph.D.	Mineral Nutrition & Radiation Physiology	14	24
5.	Dr. Ajay Arora	Ph.D.	Post harvest Physiology and Abiotic Stress	14	19
6.	Dr. Madan Pal Singh	Ph.D.	Climate Change & Abiotic Stress	8	11
7.	Dr. Ishwar Singh	Ph.D.	Stress Physiology	12	12
8.	Dr. Vijay Paul	Ph.D.	Post harvest Physiology	9	6
9.	Dr. Anjali Anand	Ph.D.	Climate Change and Seed Physiology	11	11
10.	Dr. Rakesh Pandey	Ph.D.	Climate Change	5	3
11.	Dr. Pramod Kumar	Ph.D.	Abiotic Stress	8	6
12.	Dr. Renu Pandey	Ph.D.	Mineral Nutrition	6	6
13.	Dr. Lekshmy S.	Ph.D.	Abiotic Stress	4	2
14.	Dr. Dhandapani R.	Ph.D.	Plant Physiology	-	-
15.	Dr. Sudhir Kumar	Ph.D.	Phenotyping and Abiotic Stress	1	-
16.	Ms. Archana Kumari	Ph.D.	Agricultural Biotechnology	2	-
17.	Ms. Shashi Meena	M.Sc.	Botany	-	-

**School of
Crop Improvement**



Genetics and Plant Breeding

Vinod

Students Awarded Degree

i) M.Sc. Students

Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
1.	2007	Shailendra Kumar Jha	Characterization of germplasm and validation of <i>er</i> gene linked markers in Pea (<i>Pisum sativum</i> L.)	Dr. S.K. Mishra	-
2.	2007	Mridul Chakraborti	Studies on a lipase coding gene, regulating G-Protein coupled <i>PCLB</i> signaling in <i>Drosophila melanogaster</i>	Dr. (Ms) S. Chandershekar	Best student of the year Award
3.	2007	Shashi Bhushan Choudhary	Assessment of combining ability and heterosis using newly developed CMS and restorers of pearl millet	Dr. B.B. Singh	-
4.	2007	Ms Radha Pakerala	Morphological and biochemical characterization of wild and cultivated <i>Cajanus</i> species	Dr. (Ms.) Jaagrati Jain	-
5.	2008	Kumar Durgesh	Inheritance of glaucousness, flecking and meiotic desynapsis in wheat (<i>Triticum aestivum</i> L.)	Dr. S.M.S. Tomer	-
6.	2008	KarnamVankatesh	Genetics of resistance to leaf and stem rust, leaf and leaf sheath pubescence in wheat (<i>Triticum aestivum</i> L.)	Dr. S.M.S. Tomar	-
7.	2008	Nisha M.	Exploration and characterization of high molecular weight glutenin subunit protein polymorphism in landraces of wheat (<i>Triticum aestivum</i> L.)	Dr. (Mrs) Anju M. Singh	Best student of the year Award
8.	2008	Bhupender Kumar	Characterization of early maturing maize (<i>Zea mays</i> L.) composites, hybrids and inbred lines	Dr. R.D. Singh	-
9.	2008	Nagaraja N.R.	Assessment of genetic variability in a gene pool of <i>Cajanus scarabaeoides</i> (L.) Thouars, A wild species of Pigeonpea	Dr. (Mrs.) Jaagrati Jain	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
10.	2009	Sutapa Sarkar	Analyses of stability for quality traits and molecular diversity in Indian wheat germplasm (<i>Triticum aestivum</i> L.)	Dr. (Mrs) Anju Mahendru	-
11.	2009	Raghu, B.R.	Genetics of leaf and yellow rust resistance interspecific derivatives of wheat (<i>Triticum aestivum</i> L.)	Dr. Vinod	Best Student of the year Award
12.	2009	Girimalla Vanishree	Morphological and molecular characterization of A1 cytoplasmic male sterile and restorer lines of pearl millet [<i>Pennisetum glaucum</i> (L) R. Br.]	Dr. B.B. Singh	-
13.	2009	Samrat Gowda, D.S.	Genetic analysis of high temperature tolerance in wheat (<i>Triticum aestivum</i> L.)	Dr. G.P Singh	-
14.	2009	Harish, G.D.	Identification of molecular markers for storability in soybean [<i>Glycine max</i> (L.) Merrill]	Dr. K.V. Prabhu	-
15.	2010	Vignesh M.	Genetic analysis and molecular mapping of white rust resistance gene(s) in <i>Brassica</i> spp.	Dr. D.K. Yadava	-
16.	2010	Niharika Mallick	Genetics of rust resistance in Sel. T3336 and <i>wr95</i> in wheat (<i>Triticum aestivum</i> L.)	Dr. Vinod	-
17.	2010	H.B. Santosh	Genetic diversity analysis among pink borer resistant and susceptible maize inbred lines	Dr. R.N. Gadag	Best Student of the year Award
18.	2010	Sakkira Begum	Analysis of Restorer and maintainer relationship of some Elite Inbred Line VIS-A-VIS A ₄ and A ₅ Cytoplasm in Pearl Millet [<i>Pennisetum glaucum</i> (L) R. Br.]	Dr. Tara Satyavathi	-
19.	2011	Kamal Tripura	Genetic analysis of moisture stress tolerance in wheat (<i>Triticum aestivum</i> L.)	Dr. G.P. Singh	-
20.	2011	Jai Singh	Validation and use of molecular markers tagged to low erucic trait for marker assisted selection in Indian mustard"	Dr. D. K. Yadava	-
21.	2011	Kadam D. Chandrakant	LD mapping studies using SSR markers in soybean (<i>Glycine max</i> (L.) Merrill) for seed storability	Dr. S.K. Lal	-
22.	2011	Kuldeep Tiwari	Morphological and molecular characterization of <i>Lens</i> sp.	Dr. H.K. Dikshit	-
23.	2011	Bhawar K. Bhimrao	Pyramiding of leaf rust resistance genes <i>Lr19</i> and <i>Lr28</i> in wheat variety HD2687	Dr. Vinod	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
37.	2014	Konsam Sarika	Molecular and quality diversity analysis in chickpea (<i>Cicer arietinum</i> L.) genotype	Dr. C. Bharadwaj	-
38.	2014	Rahul Gajghate	Stability analysis for terminal heat tolerance in bread wheat (<i>T. aestivum</i> L. em. Thell)	Dr. R.K. Sharma	-
39.	2015	Mukesh Choudhary	Morphological and biochemical characterization of <i>crtRBI</i> -introgressed MAS-derived β -carotene rich inbreds in maize (<i>Zea mays</i> L.)	Dr. Firoz Hossain	Best student of the year Award
40.	2015	Soma Gupta	Genetic improvement trends in agronomic, physiological and end-use quality traits in Indian wheat varieties	Dr. Rajbir Yadav	-
41.	2015	Subhash Chandra	Inheritance of fertility restoration in A_1 based Cytoplasmic Genetic Male Sterility and diversity analysis of maintainers and restorers in pearl millet [<i>Pennisetum glaucum</i> (L). R. Br.]	Dr. S.P. Singh	-
42.	2015	Amit Kumar Singh	Genetics and molecular mapping of leaf rust resistance in <i>Triticum timopheevii</i> derivative Selection G12	Dr. J.B. Sharma	-
43.	2015	Manu B.	Morpho-physiological and molecular characterization of chickpea (<i>Cicer arietinum</i> L.) genotypes for terminal drought tolerance	Dr. C. Bharadwaj	-
44.	2016	Amarkant Kushwaha	Marker assisted identification of potential restorers in aromatic rice germplasm and assessment of their heterotic potential	Dr. Gopala Krishnan S.	-
45.	2016	Neeraj Kumar	Morphological, physiological and molecular characterization of chickpea (<i>Cicer arietinum</i> L.) genotypes for salt tolerance	Dr. C. Bharadwaj	-
46.	2016	Ashish Kumar	Genetic analysis and marker validation for grain filling duration and grain growth rate under conservation agriculture in wheat (<i>Triticum aestivum</i> L.)	Dr. Rajbir Yadav	-
47.	2016	Brijesh Kumar Mehta	Studies On effects of <i>sugary1</i> and <i>shrunk2</i> genes on grain sweetness in sweet corn genotypes	Dr. Firoz Hossain	-
48.	2016	Ganesh Meena	Genetic analysis of yield, yield attributes and micronutrient concentration and their stability analysis in pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.)	Dr. S.P. Singh	-



ii) Ph.D. Students

Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
1.	2007	Rajeev Kumar	Inheritance and molecular mapping of economically important genes "af" and "le" in pea (<i>Pisum sativum</i> L)	Dr. S.K. Mishra	-
2.	2007	Girish Sarjerao Bakade	Genetical studies on oil content, dwarfs and yield contributing characters in <i>Brassica juncea</i> (L.) Czern & Coss	Dr. J.N. Singh	-
3.	2007	Hanif Khan	Genetic analysis of resistance to spot blotch (<i>Bipolaris sorokiniana</i> Sacc. Shoem.) in wheat	Dr. S. Chaudhary	-
4.	2007	Hari Singh Meena	Genetic studies of traits related to drought tolerance in chickpea (<i>Cicer arietinum</i> L.)	Dr. J. Kumar	-
5.	2007	Ms. Jyoti Kumari	Genetic analysis of sweet corn inbred lines and hybrids	Dr. R.N. Gadag	-
6.	2008	Busi Suchindra	Studies on fertility restoration, heterosis and combining ability in Indian mustard [(<i>Brassica juncea</i> L.) Czern & Coss	Dr. J.N. Singh	-
7.	2008	Gyan Prakash Mishra	Inheritance of rust resistance and identification of molecular marker(s) for rust resistance in Lentil (<i>Lens culinaris</i> Medik)	Dr. S.K. Mishra	-
8.	2008	S. Kumarasamy	Genetic analysis and chromosomal location of rust resistance genes in inter-specific derivatives in wheat (<i>Triticum aestivum</i> L.)	Dr. S.M.S. Tomar	-
9.	2008	Vishnu Kant	Genetic analysis of yielding and its components in bread wheat (<i>Triticum aestivum</i> L.) under different moisture stress conditions	Dr. H.B. Chaudhary	-
10.	2008	Jagadeesha, K.G.	Genetic analysis of quality traits in Chickpea (<i>Cicer arietinum</i> L.)	Dr. J. Kumar	-
11.	2009	V. Thamodharan	Molecular marker aided gene pyramiding for bacterial blight resistance in rice (<i>Oryza sativa</i> L.)	Dr. A.K. Singh	-
12.	2009	Ms. Bhavana Patnayakuni	Genetics of yield, yield components & resistance to banded leaf and sheath blight in maize (<i>Zea mays</i> L.)	Dr. R.N. Gadag	-
13.	2009	Prakash Chand	Inheritance and mapping of disease resistance genes in Lentil (<i>Lens culinaris</i> Medik)	Dr. S.K. Mishra	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
14.	2009	Avinash Singode	Morphological and Molecular analyses of diversity in north eastern Himalayan (NEH) landraces of maize (<i>Zea mays</i> L.)	Dr. B.M. Prasanna	-
15.	2009	Ms. P. Revathi	Marker assisted gene pyramiding for leaf rust (<i>Puccinia triticina</i>) and stripe rust (<i>Puccinia striiformis</i>) resistance in wheat (<i>Triticum aestivum</i> L.)	Dr. S.M.S. Tomar	-
16.	2009	Mintu Ram Meena	Genetic and molecular analysis of stem rust (<i>Puccinia tritici</i>) resistant gene in synthetic hexaploid lines of wheat (<i>Triticum aestivum</i> L.)	Dr. S.S. Singh	-
17.	2009	Sushil Kumar	Analysis of genetic diversity and heterotic potential in popcorn (<i>Zea mays everta</i>) inbred lines	Dr. R.N. Gadag	-
18.	2009	Pramod Kumar Verma	Genetics of high temperature tolerance in wheat (<i>Triticum aestivum</i> L.)	Dr. S.S. Singh	-
19.	2009	Marathi Balram	Molecular mapping of yield and yield related QTLs using recombinant inbred line population in rice (<i>Oryza sativa</i> L.)	Dr. A.K. Singh	Assam Govt. Gold Medal; ICAR-Jawaharlal Nehru Award for best PhD thesis
20.	2009	Mangesh Y Dudhe	Genetic studies on salt tolerance in chickpea	Dr. J. Kumar	-
21.	2009	Kemparaju, K.B.	Genetics and heterosis for yield and yield attributing traits in Indian mustard [(<i>Brassica juncea</i> (L.) Czern & Coss.)]	Dr. K.V. Prabhu	-
22.	2009	Ms. Suneetha Kota	Inter-relationships stability and molecular diversity analysis for quality, yield and yield components in new plant type (NPT) wheat derivatives	Dr. S.S. Singh	IARI Merit Medal
23.	2010	ChikkappaKarjagi	Analysis of inheritance and stability of transgenes (<i>psy+crtI</i>) and development of pro vitamin a rich <i>indica</i> rice line through marker assisted backcross breeding	Dr. A.K. Singh	ICAR-Jawaharlal Nehru Award for best PhD thesis
24.	2010	Basavaraj S. Holeyachi	Marker aided improvement of parental lines of Basmati rice hybrid PRH 10 for resistance to Bacterial blight	Dr. A.K. Singh	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
25.	2010	Mridul Chakraborti	Genetic Analysis of kernel micronutrient (iron and zinc) content in maize (<i>Zea mays</i> L.)	Dr. B.M. Prasanna	Best student of the year Award
26.	2010	Abhinav Kumar	Genetic analysis of pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.] populations	Dr. B.B. Singh	-
27.	2010	Shashi Bhushan Choudhary	Estimation of heterosis and combining ability in maize using inbred line differing for starch components and biochemical analysis of elite crosses	Dr. R.N. Gadag	-
28.	2010	Sharanappa S.D.	Genetic analysis of plant type related traits in chickpea	Dr. J. Kumar	-
29.	2011	Hari Prakash Meena	Genetic and breeding studies in chickpea (<i>Cicer arietinum</i> L.)	Dr. J. Kumar	-
30.	2011	Nisha M	Location of novel variants of high molecular weight glutenin subunits and their effect on quality traits of wheat (<i>Triticum aestivum</i> L.)	Dr. (Mrs.) Anju M. Singh	IARI Merit Medal
31.	2011	Muraleedhar S. Aski	Genetic analysis of agro-morpho-quality traits of baby corn (<i>Zea mays</i>)	Dr. R.N. Gadag	-
32.	2012	Prolay K. Bhowmick	Molecular diversity and genetic analysis of grain micronutrient content in wheat (<i>T. aestivum</i> L. em. Thell)	Dr. (Mrs.) Anju M. Singh	-
33.	2012	Manesh Chander Dagla	Genetic analysis of sugary trait and yield components in sweet corn (<i>Zea mays</i> var. <i>saccharata</i>)	Dr. R.N. Gadag	-
34.	2012	Shailendra K. Jha	Expression profiling of leaf rust resistance (<i>Lr</i>) gene in wheat (<i>Triticum aestivum</i> L.)	Dr. K. Vinod Prabhu	Best student of the year Award
35.	2012	Girimalla Vanishree	Evaluation of soybean genotypes for iron deficiency chlorosis (IDC) resistance and their molecular characterization using SSR markers	Dr. Akshay Talukdar	-
36.	2012	Raghu B.R.	Genetics and molecular characterization of male fertility restoration and identification of stable male fertility restorers in Pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.)	Dr. R.S. Raje	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
48.	2014	Nagaraja N.R.	Genetic and molecular marker analysis of stem rust (<i>Puccinia graminis</i> fsp. <i>tritici</i>) resistance in wheat (<i>Triticum aestivum</i> L.)	Dr. K.V. Prabhu	-
49.	2014	Santosh H.B.	Variability, stability and selection response analysis for yield and yield attributing traits in chickpea	Dr. J. Kumar	-
50.	2014	Chandusingh. P. Rathod	QTL mapping for grain chalkiness in rice (<i>Oryza sativa</i> L.)	Dr. A.K. Singh	-
51.	2014	Asif Bashir Shikari	Marker assisted pyramiding of blast resistance genes in basmati rice	Dr. A.K. Singh	-
52.	2014	Gireesh C.	Genetics and molecular mapping of rust resistance in wheat	Dr. Vinod	-
53.	2014	Harish G.D.	Mapping of yellow mosaic virus (YMV) disease resistance in soybean [<i>Glycine max</i> (L). Merr.]	Dr. Akshay Talukdar	-
54.	2014	R.T. Maruthi	Analysis of heterotic potentiality and molecular profiling of late flowering inbred lines of maize (<i>Zea mays</i> L.)	Dr. R.N. Gadag	-
55.	2015	Samrat Gowda, D.S.	Molecular mapping of Charcoal rot resistance in soybean [<i>Glycine max</i> (L.) Merr.]	Dr. Akshay Talukdar	-
56.	2015	Sekhar Babu Geddam	Identification of QTLs for seed yield attributing traits in Pigeonpea (<i>Cajanus cajan</i> L. Millspaugh)	Dr. R.S. Raje	IARI Merit Medal
57.	2015	Naresh Babu N	Marker assisted improvement of Pusa Basmati 1121 for salinity tolerance	Dr. A.K. Singh	-
58.	2015	Ramya KT (Ms.)	Genetic analysis of stomatal conductance under high temperature stress condition in wheat (<i>Triticum aestivum</i> L.)	Dr. G.P. Singh	-
59.	2016	V. Hanumanth Nayak	Evaluation and profiling of early maturity inbred lines and cultivars of maize (<i>Zea mays</i> L.)	Dr. R.N. Gadag	-
60.	2016	Muhammed Azharudheen T.P.	Characterization and molecular tagging of high temperature tolerance in <i>Brassica</i> spp	Dr. D. K. Yadava	-
61.	2016	Mallikarjuna M.G.	Studies on genetics and genomics of kernel iron and zinc in maize (<i>Zea mays</i> L.)	Dr. H.S. Gupta	IARI Merit Medal



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
62.	2016	Gopala Reddy K.	Molecular mapping of grain iron and zinc concentration in wheat (<i>Triticum aestivum</i> L.)	Dr. Anju M. Singh	-
63.	2016	Pushpa H.D.	Genetic analysis and molecular tagging of low glucosinolate gene(s) in <i>Brassica juncea</i>	Dr. D.K. Yadava	-
64.	2016	Amasiddha Bellundagi	Marker assisted backcross breeding (MABB) for heat tolerance in bread wheat (<i>Triticum aestivum</i> L. em. Thell.)	Dr. G.P. Singh	-
65.	2016	Niranjana M.	Cytogenetic characterisation and molecular mapping of <i>Aegilops speltoides</i> derived leaf rust resistance in Selection 2427 in bread wheat	Dr. Vinod	-
66.	2016	Todkar Leena Prakash	Introgression of drought tolerance in cv. GW 322 of wheat (<i>Triticum aestivum</i> L.) using marker assisted back cross breeding (MABB)	Dr. K.V. Prabhu	-
67.	2016	Harish Kumar	Stability analysis and association mapping of grain micronutrients (Fe and Zn) in Lentil (<i>Lens culinaris</i> Medikus subsp. <i>culinaris</i>)	Dr. H.K Dikshit	-

Foreign Students Awarded Degree

i) M.Sc. Students

Sl. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1.	2011	Alidad Amiri Behzadi	Combining ability analysis for physiological traits, yield components and identification of restorers for diverse cytoplasm sources in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br]	Dr. Tara Satyavathi	Iran
2.	2012	Huynh Ngoc Hai	Micropropagation and characterization of soybean genotypes showing differential fertility under different temperature and photo period regimes	Dr. S.K. Lal	Vietnam
3.	2012	Nguyen Thanh Think	Assessment of diversity for morphological and nutritional quality traits in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br]	Dr. C. Tara Satyavathi	Vietnam
4.	2016	Shemshat Eyeberenova	Interrelationship among the quality and morphological characters in wheat	Dr. R.K. Sharma	Turkmenistan



ii) Ph.D. Students

Sl. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1.	2008	Davood Samsampour	Marker assisted selection for seedling and adult plant leaf rust resistance in Wheat	Dr. K.V. Prabhu	Iran
2.	2008	Samanti Kumari Wasala	Phenotypic and molecular characterization of selected maize landraces/ locals in India	Dr. B.M. Prasanna	Sri Lanka
3.	2009	Keerthi Hiettarachhi	Genetic analysis and molecular marker-assisted selection for resistance to turicum leaf blight in maize	Dr. B.M. Prasanna	Sri Lanka
4.	2010	Bozormehr Bahmani	Understanding the role of <i>DWnt6</i> and <i>DWnt10</i> in development of <i>Drosophila melanogaster</i>	Dr. K.V. Prabhu	Iran
5.	2015	Huynh Ngoc	Somatic embryogenesis and anther culture studies on soybean (<i>Glycine max</i> (L.) Merrill	Dr. S.K. Lal	Vietnam

Training Courses/Winter/Summer School/Workshop Organized

Sl. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and co-ordinators
1.	2010	ICAR sponsored Summer School on "Quality enhancement: Conventional and molecular approaches"	26	Dr. D.K. Yadava
2.	2010	ICAR sponsored winter school on "Molecular marker-assisted crop breeding: principles, methods and applications"	26	Dr. Akshay Talukdar
3.	2010	Training course on "Molecular Marker Assisted Breeding for Crop Improvement"	20	Dr. A.K. Singh
4.	2012	Molecular approaches for allele mining and crop improvement	25	Dr. Akshay Talukdar
5.	2015	Winter School on Genomics and phenomics assisted crop breeding: Principles and practices	23	Dr. Akshay Talukdar
6.	2016	Advances in molecular breeding in crop plants	4	Dr. Akshay Talukdar

Training Received by the Faculty Members Within the Country

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1	2009	Dr. Vijendra Singh	Short term training course on 'Patents' at National Institute of Intellectual Property (NIIP)	2-6 March, 2009	Nagpur
2	2009	Dr. Firoz Hossain	Summer School on 'Quality enhancement: conventional and molecular approaches'	July 15-August 04, 2009	Division of Genetics, IARI



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
3	2009	Dr. C. Tara Satyavathi	Training on “Current policies and regulations in management of Plant Genetic Resources”	Nov. 10-19, 2009	NBPGR, New Delhi
4	2009	Dr. Firoz Hossain	DBT sponsored workshop under Grand Challenge Programme on ‘Molecular marker assisted breeding for crop improvement’	December 15-16, 2009	IARI & DBT
5	2009	Dr. Shanti C.	Leica Workshop on Confocal Imaging	Oct. 13-15, 2009	Delhi, University South Campus
6	2009	Dr. R.S. Raje	Presented lead paper on “Genetics and Breeding of Fenugreek” in the National Workshop on “Spices and Aromatic Plants in 21st Century India”	Dec. 20-21, 2009	R.A.U., Bikaner & Directorate of Arecanut & Spices Development, Calicut
7	2010	Drs. R.K. Sharma, Jyoti Kumari	Winter school on “Molecular marker assisted crop breeding: principles, methods and applications”	January 5-25, 2010	Division of Genetics, IARI, New Delhi
8	2010	Dr. K.K. Vinod	Molecular marker Assisted Breeding for Crop Improvement	Feb. 15-24, 2010	IARI, New Delhi
9	2010	Dr. Shanti C.	Zeiss workshop on Confocal imaging	February 19, 2010	NCBS, Bangalore
10	2010	Dr. Shanti Chandrashekar	Genome Day	July 24, 2010	Genetics Trust, NASC Complex
11	2010	Drs. R.K. Sharma, Rajbir Yadav, Dinesh Kumar, P.K. Singh	International training programme on wheat data management	September 13-18, 2010	Generation Challenge Programme, CIMMYT
12	2010	Drs. K.V. Prabhu, D. Yadava, Sujata, Naveen Singh	IARI Field Day for Industry	September 21, 2010	IARI, New Delhi
13	2010	Dr. D.K. Yadava	Oilseeds and edible oils scenario in India	November 12, 2010	Department of Food and Public Distribution, MOA, GOI, New Delhi
14	2010	Dr. Shanti Chandrashekar	International Conference on “Functional Genomics: Challenges and Prospects”	October 2-4, 2010	Deptt of Zoology, BHU



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
15	2010	Dr. Vinod, J.B. Sharma	“Workshop on Strategic Planning and Partnering for Durable Rust Resistance in Wheat”	October 19-20, 2010	Cornell University in association with Department of Biotechnology and the Indian Council of Agricultural Research
16	2010	Dr. Shanti Chandrashekar	World Food Day	October 22, 2010	NAAS
17	2010	Dr. Shanti Chandrashekar	Meeting of the Maharashtra State Entrance Test for Lecturers/Research Fellows	October 26-29, 2010	Pune University,
18	2010	Dr. Shanti Chandrashekar	International Symposium on “Alternate Animal Models in Biological research: Present and Future Perspectives in Toxicology	October 29-30, 2010	IITR, Lucknow
19	2010	Dr. T. Nepolean and J.S. Bhat	Maize training program	October 11-13, 2010	Directorate of Maize Research
20	2010	Dr. Jagmail Singh	National Seminar on cotton	November 19-21, 2010	Central Institute for Subtropical Horticulture (CISH), Lucknow
21	2010	Dr. P.K. Singh	Training course on “concept note writing and project development	Nov. 30 to Dec. 01, 2010	CCSU, Meerut
22	2010	Dr. Shanti Chandrashekar	3rd Meeting of the Asian Forum of Chromosome and Chromatin	December 4-6, 2010	ICRISAT, Patancheru, India
23	2011	Drs. D.K. Yadava, Sujata, Naveen Singh	Brassica Field Day	Feb. 28 to March 01, 2011	NBPGR New Delhi
24	2011	Drs. K.V. Prabhu, Sujata, D.K. Yadava, Naveen Singh, G.P. Singh, C. Bhardwaj	Indo-Canadian meeting to have collaborative programmes on abiotic stress tolerance in mustard, wheat and pulses held on 14.03.2011	March 14, 2011	NRCPB New Delhi
25	2010	Drs. K.V. Prabhu, R.K. Sharma, Rajbir Yadav, G.P. Singh, Anju M. Singh, J.B. Sharma, P.K. Singh	Attended 49th All India Wheat and Barley Workers Meeting	August 27-30, 2010	PAU, Ludhiana
26	2010	Drs. J. Kumar, Bhardwaj C. and Shailesh Tripathi	Annual Chickpea Group Meet	August 29-31, 2010	College of Agriculture, Indore



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
27	2010	Dr. C. Bharadwaj	Pre- Launch meeting of ICAR-ICARDA-DAC Pre Breeding Project	30 August, 2010	IIPR, Kanpur and ICARDA Office for South East Asia, Indore
28	2010	Drs. Naveen Singh and D.K. Yadava	17th AICRP Rapeseed Mustard Group Meeting at from	September 1-3, 2010	RVSKVV, COA, Gwalior
29	2010	Dr. C. Bharadwaj	Pulse Conclave 2010	September 4-5, 2010	ICRISAT, Hyderabad & Agriwatch
30	2010	Dr. S.K. Lal	Member of monitoring team of AICRP on Soybean	27 Oct. to 5 November, 2010	Divisional fund
31	2010	Dr. Akshay Talukdar	National workshop on Molecular Marker Assisted Selection for Crop Improvement	Oct. 16-18, 2010	DBT and ICRISAT
32	2010	Dr. C. Tara Satyavathi	Monitoring of Pearl millet breeder seed fields at IARI, R.S., Karnal	Sep. 2010	IARI, RS, Karnal
33	2010	Dr. S.P. Singh	Monitoring of Pearl millet breeder seed fields at IARI, R.S., Karnal	September 2010	IARI, RS, Karnal
34	2010	Dr. C. Tara Satyavathi	Pearl millet Scientist Field Day	Sep. 30 to Oct. 1, 2010	ICRISAT, Patancheru
35	2010	Drs. All Project L and Sub Project Leaders	“IARI Field Day for Industry”	September 21, 2010	IARI, New Delhi
36	2010	Dr. Shanti Chandrashekar	International Conference on “Functional Genomics Challenges and Prospects”,	October 2-4, 2010	Deptt of Zoology, BHU
37	2010	Dr. S.K. Lal	Member of monitoring team of AICRP on Soybean for Central Zone	27 Oct. to 5 Nov., 2010	DSR, ICAR, Indore
38	2010	Dr. J. Kumar	National Symposium on ‘Food Security in Context of Changing Climate’	30 Oct. to 1 Nov., 2010	CSAUAT, Kanpur
39	2010	Dr. D.K. Yadava	Oilseeds and edible oils scenario in India	November 12, 2010	Division of Agril. Economics, IARI, and DFPD, MOA, GOI, New Delhi
40	2011	Dr. J. Kumar	International conference on Preparing agriculture for Climate Change	Feb. 6-8, 2011	PAU, Ludhiana
41	2011	Dr. D.K. Yadava	Chairman, Monitoring Team for AICRP on R.M., Bharatpur for Central Zone	February 14-19, 2011	DRMR, ICAR, Bharapur
42	2011	Dr. C. Bharadwaj	Seminar on Peas & Pulses	March 16, 2011	PAU, Ludhiana



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
43	2013	Dr. K.V. Prabhu	Executive Development Programme (EDP) for RPM on Leadership Development	5 days	NAARM, Hyderabad
44	2014	Dr. T. Nepolean	Maize Field day	September, 2014	NBPGR, New Delhi
45	2014	Dr. T. Nepolean	Non-destructive phenotyping and phenomics for dissection of abiotic stress tolerance, gene discovery and crop improvement	23 July, 2014	Division of Plant Physiology, IARI, New Delhi
46	2014	Dr. T. Nepolean	ICAR network project on Transgenics (Functional Genomics)	2 December, 2014	NRCPB, New Delhi
47	2014	Dr. Jayant S. Bhat	National Conference on Plant diseases; New practices and innovative management strategies	December 11-12, 2014	UAS Dharwad and Indian Phytopathological Society
48	2014	Drs. Firoz Hossain, S.P. Singh, Vignesh M. and Niharika Mallick	National Symposium on Crop Improvement for Inclusive Sustainable Development	November 07-09, 2014	ISGPB
49	2014	Dr. Shailendra K. Jha	Next Generation Sequencing Technologies for Crop Improvement	November 24 to Dec. 5, 2014	ICRISAT
50	2014	Dr. Shailesh Tripathi	2nd U.P. Agricultural Science Congress at IISR, Lucknow	14-16 June, 2014	UP Council of Agricultural Research
51	2014	Dr. S.P. Singh and C. Tara Satyavathi	Pearl millet scientist field day held at ICRISAT	Nov. 30 to Oct. 1, 2014	ICRISAT
52	2014	Drs. C. Tara Satyavathi, Firoz Hossain, S. Gopala Krishnan and H. Prashant Babu	XIIth Agricultural Science Congress at NDRI, Karnal	3-5 February, 2015	IARI
53	2014	Dr. Kiran Gaikwad	CAFT training program of Breeding by Design at PAU, Ludhiana	07-27 August, 2014	ICAR and PAU, Ludhiana
54	2014	Dr. Arvind Kumar Ahlawat	11th Advance Level Training in Soil Testing, Plant Analysis and Quality Assessment held in Division of Soil Science And Agricultural Chemistry IARI New Delhi	04-24 September, 2014	ICAR
55	2015	Dr. T. Nepolean	DBT sponsored Training programme on comparative genomics.	30 and 31 January, 2015	IISR, Calicut
56	2015	Dr. Shailesh Tripathi	5th International Conference on Next Generation Genomics and Integrated Breeding for Crop Improvement	18-20 Feb., 2015	ICRISAT, Hyderabad



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
57	2015	Dr. Prashant Babu, H.	Two day training programme on "Maintenance Breeding: Training -cum-Exposure Visit"	03-04 March, 2015	ICAR-DSR, Mau in collaboration with ICAR-IARI, RS, Karnal (21 Participants)
58	2015	Dr. Kiran Gaikwad	54th All India Coordinated Wheat and Barley research Workers Meet at SDUAT Dantewada, Gujarat	21-24 August, 2015	ICAR
59	2015	Dr. T. Nepolean	Winter School 2015 Genomics and phenomics assisted crop breeding: principles and practices	Nov. 18 to Dec. 08, 2015	ICAR
60	2015	Dr. T. Nepolean	Winter school on Advances in Improvement of Vegetable Crops using Biotechnological approaches	Sep. 2015	Vegetable Sciences, IARI
61	2015	Dr. T. Nepolean	On genetics of iron and zinc homeostasis	Dec. 2015	Plant Physiology Society
62	2015	Dr. S.P. Singh and C. Tara Satyavathi	50th Annual workshop (AICPMIP) at Tamil Nadu Agricultural University, Coimbatore	April 23-25, 2015	ICAR
63	2015	Dr. Prashanth Babu, H.	CAFT Training on "PlantOmics – Emerging Tools and Techniques for Crop Improvement"	18 November to 08 December, 2015	ICAR
64	2015	Dr. Prashanth Babu, H	Germplasm Field Day on Wheat and Barley	28 March, 2015	ICAR
65	2015	Dr. C. Tara Satyavathi	The International Conference on Extension – Research Interface promoting Exportable Rice Varieties and Evolving a Sustainable Development Model organized by Vardan and IARI, New Delhi	16-18 October, 2015	IARI
66	2015	Drs. C. Tara Satyavathi, M. Vignesh, Kiran Gaikwad, Mukesh Shankar, Prolay Bhowmick and Naresh Bainsla	Golden Jubilee of Green Revolution in India	27 November, 2015	ICAR, NAAS and IARI
67	2016	Dr. C. Tara Satyavathi	51st Annual Group Meeting of Pearl Millet workers held at CCSHAU, Hisar	18-20 March, 2016	IARI



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
68	2016	Dr. S.P Singh	Hindi workshop on the topic, 'Rajbhasha Neeti, Niyamevam Kaaryanvayan'	19-20 February, 2016	Hindi Anubhag, IARI
69	2016	Dr. Shailesh Tripathi	National Symposium on "Transforming Indian Agriculture towards Food and Nutritional Security"	21 February, 2016	IGFRI, Jhansi
	2016	Dr. Vignesh Muthusamy	CAFT on Advances and accomplishments of innovative resistance breeding techniques in crop improvement" at TNAU, Coimbatore	28 January to 17 February, 2016	-
70	2016	Dr. Arvind Kumar Ahlawat	Training Program on "Extrusion Processing- Technology and Business Development" Division of Food Science & Postharvest Technology, ICAR-IARI, NRL Bulding, Pusa New Delhi	22-24 February, 2016	ICAR
71	2016	Dr. Kiran Gaikwad	Training programme on "Plant genomics: Insights and technology for efficient crop improvement" organized by PAU, Ludhiana	21-30 March, 2016	PAU, Ludhiana
72	2016	Dr. C. Tara Satyavathi	National Seminar on Plant and Microbes in Human Welfare held at	28-29 March, 2016	
73	2016	Dr. T. Nepolean	A presentation on association mapping	March, 2016	IASRI New Delhi
74	2016	Dr. Kiran Gaikwad	55th All India Coordinated Wheat and Barley research Workers Meet at CCSHAU Hisar	21-24 August, 2016	ICAR
75	2016	Dr. Arvind Kumar Ahlawat	Lecture cum Workshop on Metabolic Pathway Engineering for Nutritional enhancement and Food Safety Analysis Div of Biochemistry ICAR-IARI, Pusa New Delhi-110012	17 August, 2016	ICAR
76	2016	Dr. Arvind Kumar Ahlawat	Training Program on Experimental data Analysis organized for Technical personals of ICAR at the ICAR- IASRI New Delhi-110012	24 August to 06 September, 2016	ICAR

ii) Outside the Country

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2010	Dr. Shanti Chandrashekar	3rd Meeting of the Asian Forum of Chromosome and Chromatin	December 4-6, 2010	Kansas State University
2.	2014	Dr. K.V. Prabhu	GCP-GRM 2014, GCP, CIMMYT	Oct. 7-10, 2014	Rayong, Thailand



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
3.	2014	Dr. C. Bharadwaj	GCP-GRM 2014, GCP, CIMMYT	Oct. 7-10, 2014	Rayong, Thailand
4.	2014	Dr. G.P. Singh	Annual Review Meeting of CSISA and BMZ Project.	Sept. 11-13, 2014	Kathmandu, Nepal
5.	2014	Dr. S.V. Sai Prasad	Annual Review Meeting of CSISA and BMZ Project.	Sept. 11-13, 2014	Kathmandu, Nepal
6.	2014	Dr. B.S. Patil	Integrated Breeding Multi Year Course-II, GCP, CIMMYT	Sept. 15-26, 2014	The Mediterranean Agronomic Institute of Zaragoza Spain
7.	2014	Dr. Firoz Hossain	Maize for Food, Feed and Nutritional Security'	Oct. 30 - Nov. 01, 2014	Bangkok, Thailand
8.	2014	Dr. Vignesh M.	Maize for Food, Feed and Nutritional Security'	Oct. 30 - Nov. 01, 2014	Bangkok, Thailand
9.	2014	Dr. Muraleedhar Aski	IBMYC Training course (Spain)	12 days (15-26 Sept. 2014)	CIMMYT
10.	2015	Dr. Kiran Gaikwad	Markers for rust resistance in wheat-Implementation Workshop" at University of Sydney, Australia from	May 4 to June 5, 2015	University of Sydney, Australia

Awards Conferred on the Faculty Members

Sl. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2007	Dr. A.K. Singh	Dr. B.P. Pal Memorial Award (IARI)	IARI, New Delhi
2.	2008	Dr. Vinod	Dr. B.P. Pal Memorial Award (IARI)	IARI, New Delhi
3.	2009	Dr. A.K. Singh Dr. (Mrs) Anju M. Singh Dr. K.V. Prabhu	"ICAR Recognition Award for Development of High Yielding Basmati Rice Varieties"	ICAR
4.	2009	Dr. C. Bharadwaj	Agriwatch Recognition of contribution to Legume and Pulse Research	Agriwatch
5.	2009	Dr. B.M. Prasanna	Fellowship of the National Academy of Agricultural Sciences (NAAS)	NAAS
6.	2010	Dr. K.V. Prabhu	Best Scientist of the Year 2010	Young Farmers' Association, Punjab and Govt. of Punjab (National)
7.	2011	Dr. Vinod	V.S. Mathur Memorial Award (ISGPB)	ISGPB
8.	2011	Dr. A.K. Singh	NAAS Fellowship	NAAS
9.	2012	Dr. K.V. Prabhu	Borlaug Award	ICAR



Sl. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
10.	2012	Dr. K.V. Prabhu	Rafi Ahmed Kidwai Award (ICAR)	ICAR
11.	2012	Dr. K.V. Prabhu	A.S. Cheema Award of 2012	Govt. of Punjab and Young Farmers' Association (National)
12.	2013	Dr. K.V. Prabhu	Recognition Award	Govt. of Punjab, Chandigarh
13.	2013	Dr. A.K. Singh	Borlaug Award	ICAR
14.	2013	Dr. D.K. Yadava	Dr. B.P. Pal Memorial Award (IARI)	IARI
15.	2014	Dr. A.K. Singh	Rafi Ahmed Kidwai Award (ICAR)	ICAR
16.	2014	Dr. A.K. Singh	Bharat Ratna Dr. C. Subramaniam Award for Outstanding Teacher	ICAR
17.	2014	Dr. D.K. Yadava	NAAS Fellowship	NAAS
18.	2014	Dr. G.P. Singh	NAAS Fellowship	NAAS
19.	2015	Dr. G.P. Singh	Dr. B.P. Pal Memorial Award	IARI
20.	2015	Dr. Madhu Patial	Best young scientist award	IJTA
21.	2015	Dr. Akshay Talukdar	Best Teacher award	IARI
22.	2016	Dr. G.P. Singh	Rafi Ahmed Kidwai Award	ICAR
23.	2016	Dr. Gopala Krishnan, S.	Lal Bahadur Shastri Outstanding Young Scientist Award	ICAR
24.	2016	Dr. Gopala Krishnan, S.	NAAS Associate	NAAS

Faculty Participation in International Conference/Seminar/Assignments

Sl. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
1.	2008	Dr. K.V. Prabhu	Training programme for of Bangladesh national on aspects of handling biosafety with transgenic crops under the project TCP/BGD/3102(D)	November 21 - Dec. 1, 2008	Bangladesh
2.	2009	Dr. K.V. Prabhu	“Review on Biosafety Requirements and Handling GMOs in Asia Pacific”	November 30 Dec. to 4, 2009	FAO, Bangkok
3.	2009	Dr. G.P. Singh	CSISA workshop (Wheat Breeding)	September 10-13, 2009	CSISA, Kathmandu, Nepal
4.	2009	Dr. K.V. Prabhu	GCP project on drought and heat tolerance in wheat through molecular approaches	September 20-23, 2009	Mali, Africa
5.	2009	Dr. A.K. Singh	Rice Genetics Conference	November 14-20, 2009	IRRI, Manila Phillipines
6.	2009	Dr. K.V. Prabhu	Challenge Initiative Workshop on Wheat	March 9-11, 2009	France



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
7.	2009	Dr. K.V. Prabhu	Wheat Rust Workshop	March 16-27, 2009	Mexico
8.	2009	Dr. A.K. Singh	Review Meeting of Network Project on Golden Rice	March 18-24, 2009 & July 19-24, 2009	IRRI, Philippines
9.	2009	Dr. C. Bharadwaj	Training course on DNA marker assisted selection Meeting of Pulses Experts South Asia	Feb. 22 to March 5, 2009 May 17-22, 2009	ICARDA, Syria
10.	2009	Dr. G.P. Singh	Physiological traits based phenotyping in wheat	April 13 to May 8, 2009	CIMMYT, Mexico
11.	2010	Dr. Vinod	Wheat improvement and pathology training	August 2 to October, 2010	CIMMYT, El Batan and Toluca, Mexico
12.	2010	Dr. J.B. Sharma	Wheat improvement and pathology training	Nov. 29 to Dec. 12, 2010	Bhairahwa, Nepal
13.	2010	Dr. K.V. Prabhu	Member of steering Committee of the Molecular Wheat Breeding Programme	October 30 to November 9, 2010	Sydney and Adelaide, Australia
14.	2010	Dr. S. Gopala Krishnan	Boyscott Fellowship	Nov. 1, 2010 to Oct. 30, 2011	Centre for Plant Conservation Genetics, Southern Cross Uni. PO Box 157, Lismore NSW 2480, Australia
15.	2011	Dr. A.K. Singh, Dr. J. Kumar	To prepare a detailed Project Report (DPR) for establishment of Advance Centre for Agricultural Research and Education (ACARE) in Myanmar	Sept. 11-17, 2011	Yezin Agricultural University, Yezin, Myanmar
16.	2011	Dr. K.V. Prabhu, Dr. Rajbir Yadav, Dr. Neelu Jain	International Conservation Agriculture Congress on Research Links between Indian and Australia Meeting of ICAR-ACIAR programme on marker assisted wheat breeding	Sept. 27-30, 2011	Brisbane, Australia
17.	2011	Dr. Firoz Hossain, Dr. T. Nepolean, Vignesh	11 th Asian Maize Conference on climate change effects and meeting maize demands for Asia'	Nov. 7-11, 2011	CIMMYT, CAAS, GxAAS & GMRI, Nanning, China
18.	2012	Dr. Akshay Talukdar	NAIP training on Allele Mining and TILLING	March 18 to June 21, 2012	Purdue University USA
19.	2012	Dr. G.P. Singh	4 th Technical Workshop Borlaug Global Rust Initiative	September 1-4, 2012	Beijing, China



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
20.	2012	Dr. G.P. Singh	4 th Annual Review Meeting of CSISA Project	December 16-20, 2012	CIMMYT South Asia, Kathmandu, Nepal
21.	2013	Dr. K.V. Prabhu	Annual project meeting of GCP integrated breeding platform	18-20 June, 2013	France
22.	2013	Dr. K.V. Prabhu	Annual meeting of Phenomics which comprises of practical workshops on handling phenomics facilities and its application in crop improvement for abiotic stresses	10-12 October, 2013	Wageningen, Netherlands
23.	2013	Dr. C. Tara Satyavathi	International workshop on Genotyping by sequencing	26 February to 1 March, 2013	ICRISAT, Patancheru, India
24.	2013	Dr. A.K. Singh	Participated in the 7 th International Rice Genetics Symposium	November 5-8, 2013	Manila, Philippines
25.	2013	Dr. Jyoti Kumari	International Training in the area of 'Allele mining' at Department of Agronomy, Crop, Soil and Range Sciences, Kansas State University, Manhattan, Kansas 66506, USA under ICAR-NAIP HRD programme for the duration of three months	September 16, 2013 to December 14, 2013	Kansas State University, Manhattan, Kansas 66506, USA
26.	2014	Dr. A.K. Singh	As a member of the Indian delegation of Centre on Integrated Rural Development for Asia and the Pacific (CIRDAP) to strengthen partnership with Myanmar	March 23-27, 2014	Myanmar
27.	2014	Dr. K.V. Prabhu	GCP-GRM 2014, GCP, CIMMYT	Oct. 7-10, 2014	Rayong, Thailand
28.	2014	Dr. C. Bharadwaj	GCP-GRM 2014, GCP, CIMMYT	Oct. 7-10, 2014	Rayong, Thailand
29.	2014	Dr. G.P. Singh	Annual Review Meeting of CSISA and BMZ Project	Sept. 11-13, 2014	Kathmandu, Nepal
30.	2014	Dr. Sai Prasad	Annual Review Meeting of CSISA and BMZ Project	Sept. 11-13, 2014	Kathmandu, Nepal
31.	2014	Dr. Firoz Hossain	Maize for Food, Feed and Nutritional Security'	Oct. 30 to Nov. 01, 2014	Bangkok, Thailand
32.	2014	Dr. Vignesh M.	Maize for Food, Feed and Nutritional Security'	Oct. 30 to Nov. 01, 2014	Bangkok, Thailand
33.	2014	Dr. B.S. Patil	Integrated Breeding Multi Year Course-II, GCP, CIMMYT	Sept. 15-26, 2014	The Mediterranean Agronomic Institute of Zaragoza Spain
34.	2015	Dr. Kiran B. Gaikwad	"Markers for rust resistance in wheat –Implementation Workshop" The Univ. of Sydney, Plant Breeding Institute	May 4 to June 5, 2015	Australia



Research Publications of Faculty Members

Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
1.	Nandkumar, N., Tyagi, N.K., Balram, M., Chikkappa, K., Aparajita, G., Mohapatra, T., Prabhu, K.V. and Singh, A.K.	2008	Molecular analysis of transgene (Psy) inheritance in golden rice line developed in the genetic background of IR64	<i>J. Plant Biochemisrty and Biotechnology</i> 17(2): 127-132	7.09	-
2.	Chakraborti M., Prasanna B.M., Hossain F, Singh A.M. and Guleria	2009	Genetic evaluation of kernel Fe and Zn concentrations and yield performance of selected Maize (<i>Zea mays</i> L.) genotypes	<i>Range Mgmt. & Agroforestry</i> 30(2): 109-114	8.25	-
3.	Hettiarachchi, K., Prasanna, B.M., Rajan, A., Singh, O.N., Gowda, K.T.P, Pant, S.K. and Sangit Kumar	2009	Generation mean analysis of Turcicum leaf blight resistance in maize	<i>Indian Journal of Genetics and Plant Breeding</i> 69(2): 102-108	6.19	-
4.	Basavaraj, S.H., Singh, V.K., Singh, Atul, Singh, Devinder Singh, Nagarajan, M., Mohapatra, T., Prabhu, K.V. and Singh, A.K.	2009	Marker aided improvement of Pusa 6B, the maintainer parent of Pusa RH 10, for resistance to bacterial blight	<i>Indian J. Genet.</i> 69: 10-16	6.19	-
5.	Hettiarachchi, K., Prasanna, B.M., Rajan, A., Singh, O.N., Gowda, K.T.P., Pant, S.K. and Sangit Kumar	2009	Generation mean analysis of Turcicum leaf blight resistance in maize	<i>Ind. J. Genet.</i> 69(2): 102-108	6.19	-
6.	Singode, A., Sekhar, J.C., Kalyani Srinivasan and Prasanna, B.M.	2009	Evaluation of yield performance of selected North East Himalayan (NEH) maize landrace accessions of India outside their original habitat	<i>Ind. J. Genet.</i> 69(3): 191-198	6.19	-
7.	Vignesh, M., Yadava, D.K. Sujata. V., Mohapatra T., Jain Neelu, Yadav Anil Kumar, Malik Divya, Yadav M.S. and Prabhu K.V.	2009	Genetics of white rust resistance in Brassica juncea and allelic relationship between interspecific sources of resistance	<i>Ind. J. of Genet.</i> 69(3): 205-208	6.19	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
8.	Basavaraj, S.H., Singh, V.K., Singh, A., Singh, A., Singh, Singh, A., Yadav, S., Ellur, R. K., Singh, D., Gopala Krishnan, S., Nagarajan, M., Mohapatra, T., Prabhu, K.V. and Singh, A.K.	2010	Marker-assisted improvement of bacterial blight resistance in parental lines of Pusa RH10, a superfine grain aromatic rice hybrid	<i>Molecular Breeding</i> DOI 10.1007/s11032-010-9407-3	8.25	-
9.	Chakraborti Mridul and Chandrashekar Shanti	2010	Multiple roles of a PLCβ regulator in olfaction, pupal development and synaptic vesicle recycling in <i>Drosophila melanogaster</i>	<i>Indian J. Genet.</i> 70(3): 215-221	6.19	-
10.	Mallick Niharika, Vinod, J.B. Sharma, Bhanwar Singh and S.M.S. Tomar	2010	Genetics of stem rust resistance in common wheat genotypes WR95 and Selection T3336	<i>Ind. J. Genet.</i> 70(2): 109-113	6.19	-
11.	Chakraborti M., Prasanna B.M., Singh A. and Hossain F.	2010	Generation mean analysis of kernel iron and zinc concentrations in maize (<i>Zea mays</i> L.)	<i>Indian J. Agricultural Sciences</i> 80(11): 956-959	6.14	-
12.	Gowda Samrat D.S., G.P. Singh, Anju M. Singh, Arvind Ahlawat, J.J. Deveshwar	2010	Stability analysis for physiological and quality parameters in wheat (<i>Triticum aestivum</i> L. emend. Fiori and Paol)	<i>Ind. J. Agril. Sci.</i> 80(12): 1028-1032	6.14	-
13.	Gowda Samrat D.S., G.P. Singh and Anju M. Singh	2010	Relationship between canopy temperature depression, membrane injury and relative water content with grain yield in wheat under hot environments	<i>Ind. J. Agril. Sci.</i> 81(3): 197-202	6.14	-
14.	S. Gopalakrishnan, R. K. Sharma, K. Anand Rajkumar, M. Joseph, V. P. Singh, A. K. Singh, K. V. Bhat, N.K. Singh, T. Mohapatra	2008	Integrating marker assisted background analysis with foreground selection for identification of superior bacterial blight resistant recombinants in Basmati rice	<i>Plant Breeding</i> 127(2): 131-139	7.60	-
15.	Rakesh Singh, A.K. Singh, T.R. Sharma, Aqbal Singh, N.K. Singh	2007	Fine Mapping of Aroma QTLs in Basmati Rice (<i>Oryza sativa</i> L.) on Chromosomes 3, 4 and 8	<i>Journal of Plant Biochemistry and Biotechnology</i> 16(2): 75-82	7.09	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
16.	K. Durgesh, S.K. Jha, S.M.S. Tomar, Vinod, B. Singh, P. Dureja	2009	Genetical and bio-chemical analysis of glaucousness in wheat (<i>Triticum aestivum</i> L.)	<i>Indian Journal of Genetics and Plant Breeding</i> 69 (2): 93-98	6.19	-
17.	S.K. Nair, B. Singh, S.M.S. Tomar	2008	Inheritance and chromosomal location of flecking in a mutant C591 (M8) of wheat (<i>Triticum aestivum</i>)	<i>Indian Journal of Genetics and Plant Breeding (India)</i>	6.19	-
18.	G. Trinadhkumar, S.M.S. Tomar, B. Singh	2008	Genetics of morpho-physiological traits and seedling survivability in wheat (<i>Triticum aestivum</i>) under moisture stress conditions	<i>Indian Journal of Agricultural Science</i> 78(1): 82-86	6.14	-
19.	P.M. Dhakate, B. Singh, S. Tiwari, S.M.S. Tomar	2008	Inheritance and linkage analysis of leaf rust resistance, node and leaf pubescence in interspecific derivative of <i>Triticum aestivum</i> L.	<i>Indian Journal of Genetics and Plant Breeding</i> 68(3): 242-247	6.19	-
20.	Basavaraj, S.H., Singh, V.K., Singh, Atul, Singh, Devinder Singh, Nagarajan, M., Mohapatra, T., Prabhu, K.V. and Singh, A.K.	2009	Marker aided improvement of Pusa 6B, the maintainer parent of Pusa RH 10, for resistance to bacterial blight	<i>Ind. J. Genet.</i> 69: 10-16	6.19	-
21.	Chakraborti M., Prasanna B.M., Hossain F, Singh A.M. and Guleria.	2009	Genetic evaluation of kernel Fe and Zn concentrations and yield performance of selected Maize (<i>Zea mays</i> L.) genotypes	<i>Range Mgmt. & Agroforestry</i> 30(2): 109-114	6.06	-
22.	Hettiarachchi, K., Prasanna, B.M., Rajan, A., Singh, O.N., Gowda, K.T.P., Pant, S.K. and Sangit Kumar	2009	Generation mean analysis of Turcicum leaf blight resistance in maize	<i>Ind. J. Genet.</i> 69(2): 102-108	6.19	-
23.	Kumar Durgesh, Shailendra K. Jha, S.M.S. Tomar, Vinod, B. Singh and P. Dureja	2009	Genetical and bio-chemical analysis of glaucousness in wheat (<i>Triticum aestivum</i> L.)	<i>Ind. J. Genet.</i> 69(2): 93-98	6.19	-
24.	Singode, A., Sekhar, J.C., Kalyani Srinivasan and Prasanna, B.M.	2009	Evaluation of yield performance of selected North East Himalayan (NEH) maize landrace accessions of India outside their original habitat	<i>Ind. J. Genet.</i> 69(3): 191-198	6.19	-



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25.	Vignesh, M., Yadava, D.K. Sujata. V., Mohapatra T., Jain Neelu, Yadav Anil Kumar, Malik Divya, Yadav M.S. and Prabhu K.V.	2009	Genetics of white rust resistance in Brassica juncea. and allelic relationship between interspecific sources of resistance	<i>Ind. J. of Genet.</i> 69(3): 205-208	6.19	-
26.	Revathi, P., S.M.S. Tomar, Vinod and N.K. Singh	2010	Marker assisted gene pyramiding of leaf rust resistance genes Lr24, Lr28 along with stripe rust resistance gene Yr15 in wheat (<i>Triticum aestivum</i> L.)	<i>Ind. J. Genet.</i> 70(4): 349-354	6.19	-
27.	Gowda, D.S., G.P. Singh, Anju M. Singh, J.J. Deveshwar and A.K. Ahlawat	2010	Stability analysis for physiological and quality parameters in wheat. (<i>Triticum aestivum</i> L.)	<i>Ind. J. Agril. Sci.</i> 80(12): 1028-1032	6.14	-
28.	Kailash B. Bhawar, Vinod, J. B. Sharma, A. K. Singh, M. Sivasamy, Mona Singh, K. V. Prabhu, S. M. S. Tomar, T. R. Sharma and B. Singh	2011	Molecular marker assisted pyramiding of leaf rust resistance genes Lr19 and Lr28 in wheat variety HD2687	<i>Ind. J. Genet.</i> 71(4): 304-311	6.19	-
29.	Kumar Durgesh, S. Kumarsamy, Vinod, Gaurav Kumar and S. M. S. Tomar	2011	Genetics of rust resistance and cytogenetic studies in a derivative of wheat (<i>Triticum aestivum</i> L.) x <i>Aegilops speltoides</i>	<i>Ind. J. Genet.</i> (71): 151-157	6.19	-
30.	Chakraborti M., Prasanna B.M., Hossain F., Mazumdar S., Singh A.M., Guleria S.K. and Gupta H.S.	2011	Identification of kernel iron- and zinc-rich maize inbreds and analysis of genetic diversity using microsatellite markers	<i>J. Plant Biochemistry and Biotechnology</i> 20(2): 224-233	7.09	-
31.	Chakraborti M., Prasanna B.M., Hossain F. and Singh A.	2011	Evaluation of single cross Quality Protein Maize (QPM) hybrids for kernel iron and zinc concentrations	<i>Ind. J. Genet.</i> 71(4): 312-319	6.19	-



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32.	Balram Marathi, Smriti Guleria, N.K. Singh, T. Mohapatra, K.V. Prabhu and A.K. Singh	2011	Molecular diversity and segregation distortion measured by SSR markers in a new plant type based recombinant inbred line population of rice	<i>Ind. J. Genet.</i> 71(4): 296-302	6.19	-
33.	G. K. Chikkappa, N.K. Tyagi, K. Venkatesh, M. Ashish, K.V. Prabhu, T. Mohapatra and A.K. Singh	2011	Analysis of transgene(s) (psy+crtI) inheritance and its stability over generations in the genetic background of indica rice cultivar Swarna	<i>J. Plant Biochem. Biotechnolgy.</i> DOI 10.1007/s13562-010-0021-6	7.09	-
34.	Santosh, H. B., Sekhar, J. C., Rakshit, S., Gadag, R. N. and Dass, S.	2012	Detection of epistatic interaction for susceptibility towards pink borer (<i>Sesamia inferens</i> Walker) in maize (<i>Zea mays</i> L.)	<i>Ind. J. Genet.</i> 72(3): 284-289	6.19	-
35.	Vignesh M., Hossain F., Nepolean T., Saha S., Agrawal P.K., Guleria S.K., Prasanna B.M. and Gupta H.S.	2012	Genetic variability for kernel b-carotene and utilization of crtRB1 3' TE gene for biofortification in maize (<i>Zea mays</i> L.)	<i>Ind. J. Genet.</i> 72(2): 189-194	6.19	-
36.	Vignesh M., Nepolean T., Hossain F., Singh A. K. and Gupta H.S.	2012	Sequence variation in 3' UTR region of crtRB1 gene and its effect on β -carotene accumulation in maize kernel	<i>J. Plant Biochemistry and Biotechnology</i> DOI 10.1007/s13562-012-0168-4	7.09	-
37.	Balram Marathi, Smriti Guleria, Trilochan Mohapatra, Rajender Parsad, Nagarajan M., Vinod K.K, Salwinder S. Atwal, Vinod K. Prabhu, Nagender K. Singh and Ashok K. Singh	2012	QTL analysis of novel genomic regions associated with yield and yield related traits in new plant type based recombinant inbred lines of rice (<i>Oryza sativa</i> L.)	<i>BMC Plant Biology</i> 7237510467161807	9.81	-
38.	Vineet Kumar, H.K. Dikshit, Neelu Jain, Jyoti Kumari, D. Singh, Akanksha Singh, Rakesh Tak and T.R. Sharma	2012	Genetic Diversity in mungbean and related vigna spp. Detected by ISSR, URP and SSR markers	<i>Ind. J. Genet.</i> 72(3): 318-324	6.19	-
39.	Mithlesh Kumar, S.K. Lal*, R.L. Sapra, K.V. Prabhu, Akshay Talukdar, Madanpal Singh, K.P. Singh, Deepti Nagaich and K.V. Bhat	2012	Assessment of genotypic variation in soybean for water use efficiency (WUE) using Carbon Isotope Discrimination (CID) technique	<i>Ind. J. Genet.</i> 72(2): 241-247	6.19	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
40.	R. Sakkira Begum, R.N. Gadag, Firoz Hossain, Jayant S. Bhat, R.T. Maruti, HanumanthNaik and S.K. Jha	2012	Genetic diversity analysis in some inbred lines of Maize for baby corn traits	<i>Indian J. Hort.</i> (Accepted)	6.13	-
41.	Kallesh D.T., G.P. Singh, Anju M. Singh, Arvind Ahlawat and R.K. Sharma	2012	Genetic diversity analysis for moisture stress adaptive and quality traits in bread wheat (<i>Triticum aestivum</i> L.)	<i>Ind. J. Agril. Sci.</i> 82(11): 978-984	6.14	-
42.	Singh, Anju-Mahendru, Singh, S.K., Ahlawat, A.K., Jain, N, Singh, G.P., Ravi, I, Yadav, M and Misra, P.C.	2012	Distribution of alleles of grain quality genes in Indian bread wheat varieties	<i>Ind. J. Genet.</i> 72(2): 208-216	6.19	-
43.	Shikari A.B., Khanna A., Gopala Krishnan S., Singh U.D., Rathour R., Tonapi V., Sharma T.R., Nagarajan M., Prabhu K.V. and Singh A.K.	2013	Molecular analysis and phenotypic validation of blast resistance genes Pita and Pita2 in landraces of rice (<i>Oryza sativa</i> L.)	<i>Ind. J. Genet.</i> 73(2): 131-141	6.19	-
44.	Nagaraja N.R., Singh Anupam, Pallavi J.K., Sharma J.B., Singh G.P., Jain Neelu and Prabhu K.V.	2013	Validation of molecular markers linked to the stem rust resistance genes effective in India	<i>Ind. J. Genet.</i> 73(3): 314-319	6.19	-
45.	Harish G.D., Talukdar Akshay*, Shivakumar M., Kumar B., Verma K., Lal S.K., Sapra R.L., Singh K.P.	2013	Genetics of yellow mosaic virus (YMV) resistance in cultivated soybean [<i>Glycine max</i> (L) Merr.]	<i>Legume Research</i> 36(3): 263-267	6.15	-
46.	Kumar, H., Dikshit, H. K., Singh, A. M., Singh, D., Kumari, J., Singh, A. & Kumar, D.	2013	Characterization of elite lentil genotypes for seed iron and zinc concentration and genotype x environment interaction studies	<i>Ind. J. Genet.</i> 73(2): 169-176	6.19	-
47.	Shikari Asif Bashir, Khanna Apurva, Gopal Krishnan S., Singh U.D., Rathour R. Tonapi V., Sharma T.R., Nagarajan M. Prabhu K.V. and Singh A.K.	2013	Molecular analysis and phenotypic validation of blast resistance genes Pita and Pita2 in landraces of rice (<i>Oryza sativa</i> L.)	<i>Ind. J. Genet.</i> 73(2): 131-141	6.19	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
48.	Chandu Singh P.R., Singh N.K., Prabhu K.V., Vinod K.K. and Singh A.K.	2013	Molecular mapping of quantitative trait loci for grain chalkiness in rice (<i>Oryza sativa</i> L.)	<i>Ind. J. Genet.</i> 73(3): 244-251	6.19	-
49.	Guleria S.K., Chahota R.K., Kumar P., Kumar A. Prasanna B.M., Hossain F., Agrawal P.K. and Gupta H.S.	2013	Analysis of genetic variability and genotype × year interactions on kernel zinc concentration in selected Indian and exotic maize (<i>Zea mays</i> L.) genotypes	<i>Ind. J. Agric. Sci.</i> 83(8): 836-841	6.14	-
50.	Vignesh M., Nepolean T., Hossain F., Singh A. K. and Gupta H.S.	2013	Sequence variation in 3'UTR region of crtRB1 gene and its effect on β-carotene accumulation in maize kernel	<i>J. Plant Biochem. and Biotech.</i> DOI 10.1007/s13562-0168-4. 22(4): 401-408	7.09	-
51.	Sarkar, S., Anju M. Singh, Arvind K. Ahlawat, Mridul Chakraborti and Santosh K. Singh	2013	Genetic diversity of bread wheat genotypes based on High Molecular Weight Glutenin Subunit profiling and its relation to bread making quality	<i>J. Plant Biochemistry and Biotechnology</i> DOI 10.1007/s13562-014-0261-y	7.09	-
52.	Sarkar, S., Anju M. Singh, Arvind K. Ahlawat, Mridul Chakraborti, Santosh K. Singh and G.P. Singh.	2013	Generation mean analysis of gluten strength in bread wheat (<i>Triticum aestivum</i>): An effective utilization of micro-sedimentation test in early generation progenies	<i>Ind. J. Agric. Sci.</i> 84(3): 323-327	6.14	-
53.	Kallesh, D.T., G.P. Singh, Anju M. Singh, R.K. Sharma, A. Arora, and A.K. Ahlawat	2013	Association of physiological and morphological traits with grain yield under moisture stress conditions in bread wheat (<i>Triticum aestivum</i>)	<i>Ind. J. Agric. Sci.</i> 83(11): 1257-60	6.14	-
54.	Naik K. Bhojaraja, Vinod, J.B. Sharma, M. Sivasamy, K.V. Prabhu, R.S. Tomar and S.M.S. Tomar	2014	Molecular mapping and validation of the microsatellite markers linked to the Secale cereal derived leaf rust resistance gene Lr45 in wheat	<i>Molecular Breeding (Accepted)</i>	8.25	-
55.	Muthusamy V., Hossain F., Thirunavukkarasu V., Choudhary M., Saha S., Bhat J.S., Prasanna B.M. and Gupta H.S.	2014	Development of β-carotene rich maize hybrids through marker-assisted introgression of β-carotene hydroxylase allele	<i>PLOS One</i> 9(12): e113583. 0113583	9.23	-



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56.	Mallikarjuna M.G., Nepolean T., Hossain F., Manjaiah K.M., Singh A.M., Gupta H.S.	2014	Genetic variability and correlation of kernel micronutrient among exotic quality protein maize inbreds and their utility in breeding programme	<i>Ind. J. Genet.</i> 74(2): 166-173	6.19	-
57.	Gireesh C., Vinod, J.B. Sharma and K.V. Prabhu	2014	Inheritance and molecular mapping of leaf rust resistance in <i>Triticum turgidum</i> var. Durum cv. Trinakria	<i>Ind. J. Genet.</i> 74: 10-15	6.19	-
58.	Gireesh C., Vinod, J.B. Sharma and K.V. Prabhu	2014	Genetics and molecular mapping of stem rust resistance in bread wheat genotype WR95	<i>Euphytica (Accepted)</i>	7.39	-
59.	Shikari A.B., Rajashekara H., Khanna A., Gopala Krishnan S., Rathour R., Singh U.D., Sharma TR, Prabhu K.V. and Singh A.K.	2014	Identification and validation of rice blast resistance genes in Indian rice germplasm	<i>Ind. J. Genet.</i> 74(3): 286-299	6.19	-
60.	Naresh B.N., Vinod K.K., Gopalakrishnan S., Bhowmick P.K., Vanaja T., Krishnamurthy S.L., Nagarajan M., Singh N.K., Prabhu K.V. and Singh A.K.	2014	Marker based haplotype diversity of Saltol QTL in relation to seedling stage salinity tolerance in selected genotypes of rice	<i>Ind. J. Genet.</i> 74(1): 16-25	6.19	-
61.	Bollineni H., Gopala Krishnan S., Sundaram R.M., Sudhakar D., Prabhu K.V., Singh N.K., Pal M., Mishra S., Khurana J.P. and Singh A.K.	2014	Marker assisted biofortification of rice with provitamin A using transgenic Golden Rice lines: progress and prospects	<i>Indian J. Genet.</i> 74(4): 624-630	6.19	-
62.	Choudhary M., Hossain F., Muthusamy V., Thirunavukkarasu N., Saha S., Pandey N., Jha S.K. and Gupta H.S.	2015	Microsatellite marker-based genetic diversity analyses of novel maize inbreds possessing rare allele of β -carotene hydroxylase (<i>crtRB1</i>) for their utilization in β -carotene enrichment	<i>J. Plant Biochemistry and Biotechnology</i> DOI: 10.1007/s13562-015-0300-3	7.09	-
63.	Choudhary M., Muthusamy V., Hossain F., Thirunavukkarasu N., Pandey N., Jha S.K. and H.S. Gupta	2014	Characterization of β -carotene rich MAS-derived maize inbreds possessing rare genetic variation in β -carotene hydroxylase gene	<i>Indian J. Genet.</i> 74(4): 620-623	6.19	-



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64.	Fiyaz R.A., Gopala Krishnan S., Rajashekara H., Yadav A.K., Bashyal B.M., Bhowmick P.K., Singh N.K., Prabhu K.V. and A.K. Singh	2014	Development of high throughput screening protocol and identification of novel sources of resistance against bakanae disease in rice (<i>Oryza sativa</i> L.)	<i>Indian J. Genet.</i> 74(4): 414-422	6.19	-
65.	Geddiam S.B., Raje R.S., Prabhu K.V., Singh N.K., Chauhan D.A., Jain P., Khare A., Yadav R. and Tyagi A.	2014	Validation of QTLs for earliness and plant type traits in pigeonpea (<i>Cajanus cajan</i> L. Millsp.)	<i>Indian J. Genet.</i> 74(4): 471-477	6.19	-
66.	Gireesh C., Vinod, J.B. Sharma and K.V. Prabhu	2015	Genetics and molecular mapping of stem rust resistance in bread wheat line WR95	<i>Euphytica.</i> DOI 10.1007/s10681-015-1428-x	7.39	-
67.	Mallikarjuna M.G., Thirunavukkarasu N., Hossain F., Bhat J.S., Jha S.K., Rathore A., Agrawal P.K., Pattanayak A., Reddy S.S., Gularia S.K., Singh A.M., Manjaiah K.M. and Gupta H.S.	2015	Stability performance of inductively coupled plasma mass spectrometry-phenotyped kernel minerals concentration and grain yield in maize in different agro-climatic zones	<i>Plos One.</i> DOI:10.1371/journal.pone.0139067	9.23	-
68.	Bhojaraja K. Naik, Vinod, J.B. Sharma, M. Sivasamy, K.V. Prabhu, R.S. Tomar and S.M.S. Tomar	2015	Molecular mapping and validation of the microsatellite markers linked to the Secalecereale-derived leaf rust resistance gene Lr45 in wheat	<i>Molecular breeding</i> 35(2): 234-234	8.25	-
69.	Hai H.N., Lal S.K., Singh S.K., Prabhu K.V., Talukdar Akshay and Sapra R.L.	2014	Direct organogenesis in some soybean genotypes using cotyledonary segments.	<i>Indian J. Biotech.</i> 13: 527-531	6.39	-
70.	K. Elayaraja, R. N. Gadag, Jyoti Kumari, AvinashSingode and Dharam Paul	2014	Analysis of combining ability in experimental hybrids of Sweet corn (<i>Zea mays</i> var. <i>saccharata</i>)	<i>Indian J. Genet.</i> 74(3): 387-391	6.19	-
71.	Mallick Niharika, Vinod, JB Sharma, RS Tomar, M Sivasamy and KV Prabhu	2014	Marker assisted backcross breeding to transfer multiple rust resistance in Wheat	<i>Plant Breeding</i> DOI: 10.1111/pbr.12242	7.60	-
72.	Mallikarjuna M.G., Nepolean T., Hossain F., Manjaiah K.M., Singh A.M., Gupta H.S.	2014	Genetic variability and correlation of kernel micronutrient among exotic quality protein maize inbreds and their utility in breeding programme	<i>Indian J. Genet.</i> 74(2): 166-173	6.19	-



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73.	Sarkar, S., Singh, Anju M., Chakraborti, M., Singh, S.K., Ahlawat, A.K. and Singh, G.P.	2014	Analysis of genetic diversity among Indian bread wheats using microsatellite markers	<i>Indian J. Genet.</i> 74(4): 502-505	6.19	-
74.	Vidyasagar, Rajbir Yadav, Neelu Jain, K.B. Gaikwad and K.V. Prabhu	2014	Consolidating the yield gain by exploiting genotype X management interaction in wheat	<i>Indian J. Genet.</i> 74(2): 157-165	6.19	-
75.	Vidya Sagar, Rajbir Yadav, Neelu Jain, K. B Gaikwad and K V Prabhu	2014	Deciphering yield formation process under conservation agriculture and conventional tillage condition of wheat in India	<i>Indian J. Genet.</i> 74: 506-510	6.19	-
76.	Zunjare R., Hossain F., Thirunavukkarasu N., Muthusamy V., Jha S.K., Kumar P. and Gupta H.S.	2014	Evaluation of specialty corn inbreds for responses to stored grain weevil (<i>Sitophilus oryzae</i> L.) infestation	<i>Indian J. Genet.</i> 74(4): 564-567	6.19	-
77.	Shivakumar M., Verma K., Talukdar Akshay*, Srivastava N., Lal S.K., Sapra R.L. and Singh K.P.	2015	Genetic variability and effect of heat treatment on trypsin inhibitor content in soybean (<i>Glycine max</i> (L.) Merrill.)	<i>Legume Res.</i> 38(1): 60-65	6.15	-
78.	Muthusamy V., Hossain F., Nepolean T., Saha S., Agrawal P.K., Guleria S.K. and Gupta H.S.	2015	Genetic variability and inter-relationship of kernel carotenoids among indigenous and exotic maize (<i>Zea mays</i> L.) inbreds	<i>Cereal Res. Comm.</i> (Accepted)	6.61	-
79.	Singh Jai, Yadava Devendra K., Vasudev Sujata, Singh Naveen, Vignesh Muthusamy and Prabhu Kumble V.	2015	Inheritance of low erucic acid in Indian mustard [<i>Brassica juncea</i> (L.) Czern. and Coss.]	<i>Indian J. Genet.</i> 75(2): 264-266	6.19	-
80.	Zunjare R., Hossain F., Muthusamy V., Choudhary M, Kumar P., Sekhar J.C., Guleria S.K., Singh N.K., Thirunavukkarasu N. and Gupta H.S.	2015	Effects of weevil (<i>Sitophilus oryzae</i>) infestation on popping quality attributes of popcorn hybrids	<i>Indian J. Genet.</i> 75(3)	6.19	-
81.	Shivakumar M., Gireesh C. and Talukdar Akshay	2016	Efficiency and utility of pollination without emasculation (PWE) method in intra- and interspecific hybridization in soybean	<i>Indian J. Genet.</i> 74(1): DOI: 10.5958/0975-6906.2016.00013.4	6.19	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
82.	Reddy Y.S., Talukdar Akshay, Dikshit H.K., Singh V.P., Rana M. and Chand D.	2016	Genetic improvement of lentil (<i>Lens culinaris</i> Medik) through introgression of yield enhancing traits and estimation of genetic parameters	<i>Legume Res.</i> 39(1): 7-13	6.15	-
83.	Ranjith K. Ellura, Apurva Khanna, Ashutosh Yadava, Sandeep Pathania, H. Rajashekarab, Vikas K. Singha, C., S. Gopala Krishnana and Prolay K. Bhowmicka et al.	2016	Improvement of Basmati rice varieties for resistance to blast and bacterial blight diseases using marker assisted backcross breeding	<i>Plant Science</i> , http://dx.doi.org/10.1016/j.plantsci.2015.08.020	8.95	-
84.	R. Ranjith K. Ellur, Apurva Khanna, Gopala Krishnan S, Prolay K. Bhowmick, K.K. Vinod, M. Nagarajan, Kalyan K. Mondal, Nagendra K. Singh, Kuldeep Singh, Kumble Vinod Prabhu and Ashok K. Singh	2016	Marker-aided Incorporation of Xa38, a Novel Bacterial Blight Resistance Gene, in PB1121 and Comparison of its Resistance Spectrum with xa13 + Xa21	<i>Scientific Reports</i> 6:29188. DOI: 10.1038/srep29188	11.58	-
85.	Shivakumar M, Verma K, Talukdar Akshay, Lal SK, Kumar A, Mukherjee K.	2016	Introgression of null allele of Kunitz trypsin inhibitor through marker-assisted backcross breeding in soybean (<i>Glycine max</i> L. Merr.)	<i>BMC Genetics</i> 17(106): 1-9	8.40	-

List of Publications of Faculty Members (NAAS Factor >8.0)

Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
1.	S.M.S. Tomar, M.K. Menon, Vinod, M. Sivasamy, B. Singh	2007	Genetic Analysis of L. var. Zhuk. Producing Curved Grain	<i>Crop Science</i> 47(1): 188-192	8.44	-
2.	Ghazi, I., Srivastava, P., Dalal, V., Gaikwad, K., Singh, A.K., Sharma, T.R., Singh, N.K. and Mohapatra, T.	2009	Physical mapping, expression analysis and polymorphism survey of resistance gene analogues on chromosome 11 of rice	<i>Journal of Bioscience Proceedings of Indian Academy of Sciences</i> 34(2): 251-261	8.06	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
3.	Irfan Ghazi, Prem Srivastava, Vivek Dalal, Kishor Gaikwad, Ashok K. Singh, Tilak R. Sharma, Nagendra K. Singh and Trilochan Mohapatra	2009	Physical mapping, expression analysis and polymorphism survey of resistance gene analogues on chromosome 11 of rice	<i>J. Biosci.</i> 34(2): 251-261	8.06	-
4.	Swarup Kumar Parida, Vivek Dalal, Ashok Kumar Singh, Nagendra Kumar Singh and Trilochan Mohapatra	2009	Genic non-coding microsatellites in the rice genome: characterization, marker design and use in assessing genetic and evolutionary relationships among domesticated groups	<i>BMC Genomics</i> 10: 140	9.99	-
5.	Narpinder Singh, S. Singh, N. Isono, T. Noda, Anju M. Singh	2009	Diversity in amylopectin structure, thermal and pasting properties from wheat varieties/lines	<i>International Journal of Biological Macromolecules</i> 45: 298-304	8.86	-
6.	Singh, A., Singh, P.K., Singh, R., Pandit, A., Mahato, A.K., Gupta, D.K., Tyagi, K., Singh, A.K., Singh, N.K. and Sharma, T.R.	2010	SNP haplotypes of the BADH1 gene and their association with aroma in rice (<i>Oryza sativa</i> L.)	<i>Molecular Breeding</i> DOI: 10.1007/s11032-010-9425-1	8.25	-
7.	Ngangkham, U., Parida, S.K., De, S.K., Anand, R.K., Singh, A.K., Singh, N.K. and Mohapatra, T.	2010	Genic markers for wild abortive (WA) cytoplasm based male sterility and its fertility restoration in rice	<i>Molecular Breeding</i> DOI: 10.1007/s11032-010-9397-1	8.25	-
8.	Singh, H., Deshmukh, R. K., Singh, A., Singh, A. K., Gaikwad, K., Sharma, T.R., Mohapatra, T. and Singh, N.K.	2010	Highly variable SSR markers suitable for rice genotyping using agarose gels	<i>Molecular Breeding</i> 25(2): 359-364	8.25	-
9.	Rupesh Deshmukh, Abhinay Singh, Neha Jain, Shweta Anand, Raju Gacche, Ashok Singh, Kishor Gaikwad, Tilak Sharma, Trilochan Mohapatra and Nagendra Singh	2010	Identification of candidate genes for grain number in rice (<i>Oryza sativa</i> L.)	<i>Funct Integr Genomics</i> 10: 339-347	8.48	-



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10.	Pandit, A., Vandna, R., Subhashish, B., Shikha, S., Vinod, K., chauhan, M., Gautam, R.K., Singh, R., Sharma, P.C., Singh, A.K., Gaikwad, K., Sharma, T.R., Mohapatra, T., Singh, N.K. Molecular	2010	Combining QTL mapping and transcriptome profiling of bulked RILs for identification of functional polymorphism for salt tolerance genes in rice (<i>Oryza sativa</i> L.)	<i>Genetics and Genomics</i> 284: 121-136	8.73	-
11.	Supriya, A., Senthilvel, S., Nepolean, T., Eshwar, K., Rajaram, V., Shaw, R., Hash, C.T., Kilian, A., Yadav R.C. and Narasu, M.L.	2011	Development of a molecular linkage map of pearl millet integrating DArT and SSR markers	<i>Theor. Appl. Genet.</i> 123: 239-250 DOI: 10.1007/s00122-011-1580-1	9.79	-
12.	Mahendar Thudi, Abhishek Bohra, Spurthi N. Nayak, Nicy Varghese, Trushar M. Shah, R. Varma Penmetasa, Nepolean T., Rajeev K. Varshney et al.	2011	Novel SSR markers from BAC-End sequences, DArT arrays and a comprehensive genetic map with 1,291 marker Loci for Chickpea (<i>Cicer arietinum</i> L.)	<i>Plos One.</i> 6: 11	9.23	-
13.	Dutta, S., Kumamat, G., Singh, B.P., Gupta, D.K., Singh, S., Dogra, V., Gaikwad, K., Sharma, T.R., Raje, R. S., Bandopadhya, T.K., Datta, S., Singh, M.N., Bashasab, F., Kulwal, P., Wanjari, K.B., Varshney, R., Cook, D.R. and Singh, N.K.	2011	Development of genic - SSR markers by deep transcriptome sequencing in pigeon pea (<i>C. cajan</i> L Millspaugh)	<i>BMC Plant Biol.</i> 11(1): 17-30	9.81	-
14.	Jana Kholova., Nepolean, T., Tom Hash, C., Supriya, A., Rajaram, V., Senthilvel, S., Aparna Kakkera., Rattan Yadav., Vincent Vadez.	2012	Water saving traits co-map with a major terminal drought tolerance quantitative trait locus in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.]	<i>Mol. Breeding</i> DOI: 10.1007/s11032-012-9720-0	8.25	-
15.	Gopala Krishnan S., Waters D.L.E., Katiyar S.K., Sadananda A.R., Satyadev V. and Henry R.	2012	Genome-wide DNA polymorphisms in elite indica rice inbreds discovered by whole-genome sequencing	<i>Plant Biotechnology Journal</i> 10(6): 623-634	11.75	-



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16.	Swarup K. Parida, Mitali Mukerji, Ashok K. Singh, Nagendra K. Singh, Trilochan Mohapatra	2012	SNPs in stress-responsive rice genes: validation, genotyping, functional relevance and population structure	<i>BMC Genomics</i> 13: 426	9.99	-
17.	Rita Sharma, Pinky Agarwal, Swatishmita Ray, Priyanka Deveshwar, Pooja Sharma, Niharika Sharma, Aashima Nijhawan, Mukesh Jain, Ashok Kumar Singh, Vijay Pal Singh, Jitendra Paul Khurana, Akhilesh Kumar Tyagi and Sanjay Kapoor	2012	Expression dynamics of metabolic and regulatory components across stages of panicle and seed development in <i>indica</i> rice	<i>Funct Genomics</i> DOI: Integr10.1007/s10142 012-0274-3	8.48	-
18.	Giriraj Kumawat, Ranjeet S. Raje, Shefali Bhutani, Jitendra K Pal, Amitha SVCR Mithra, Kishor Gaikwad, Tilak R. Sharma and Nagendra K. Singh	2012	Molecular mapping of QTLs for plant type and earliness traits in pigeonpea (<i>Cajanus cajan</i> L. Millsp.)	<i>BMC Genetics</i> 13: 84	8.40	-
19.	Singh V.K., Singh A., Singh S.P., Ellur R.K., Choudhary V., Sarkel S., Singh D., Gopala Krishnan S., Nagarajan M., Vinod K.K., Singh U.D., Rathore R., Prashanthi S.K., Aggrawal P.K., Bhatt J.C., Mohapatra T., Prabhu K.V. and Singh A.K.	2012	Incorporation of blast resistance into “PRR78”, an elite Basmati rice restorer line, through marker assisted backcross breeding	<i>Field Crops Research</i> 128: 8-16	8.98	-
20.	Nepolean, T., Gupta, S.K., Dwivedi, S.L., Bhattacharjee, R., Rai, K.N. and Hash, C.T.	2012	Genetic diversity in maintainer and restorer lines of pearl millet	<i>Crop Science</i> 52: 2555-2563	8.44	-
21.	Henry R.J., Edwards M., Waters D.L.E., Gopala Krishnan S., Bundock P., Sexton TR, Masouleh A.K., Nock C.J. and Pattemore J.	2012	Molecular markers for plants derived from large scale sequencing	<i>J. Biosci.</i> 37(5): 829-841	8.06	-



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22.	Nepolean T., Hossain F., Shiriga K., Mittal S., Arora K., Rathore A., Mohan S., Shah T., Sharma R., Namratha P.M., Mithra A.S.V., Mohapatra T. and Gupta H.S.	2013	Unraveling the genetic architecture of subtropical maize (<i>Zea mays</i> L.) lines to assess their utility in breeding programs	<i>BMC Genomics</i> 14: 877	9.99	-
23.	Nepolean T., Hossain F., Mohan S., Shiriga K., Mittal S., Sharma R., Singh R.K. and Gupta H.S.	2013	Genome-wide expression of transcriptomes and their co-expression pattern in subtropical maize (<i>Zea mays</i> L.) under waterlogging stress	<i>PLoS ONE</i> 8: e70433. 1-12	9.23	-
24.	Rajaram V., T. Nepolean, S. Senthilvel <i>et al.</i> and C.T. Hash	2013	Pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.] consensus linkage map constructed using four RIL mapping populations and newly developed EST-SSRs	<i>BMC Genomics</i> 14: 159 DOI: 10.1186/1471-2164-14-159	9.99	-
25.	Kaur, A., N. Singh, S. Kaur, A.K. Ahlawat and A.M. Singh	2013	Relationships of wheat flour, secondary structure, rheological and cookies making properties	<i>Food Chemistry</i> DOI:10.1016/j.foodchem. 2014.02.096	9.39	-
26.	Singh, N., Kaur, A., Ahlawat, A.K., Singh, A.M, Chauhan, H. and Singh, G.P.	2013	Diversity in grain, flour, dough and gluten properties amongst Indian wheat cultivars varying in high molecular weight subunits (HMW-GS)	<i>Food Research International</i> 53: 63-72	8.82	-
27.	Ramana Kumari B., M. Kolesnikova Allen, S. Senthilvel, T. Nepolean, P.B. Kavi Kishor, J.R. Witcombe, Oscar Riera-Lizarazu, Rakesh Sand CT Hash	2013	Development of a set of chromosome segment substitution lines in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.]	<i>Crop Science Accepted</i>	8.44	-
28.	Gopala Krishnan S., Waters D.L.E. and Henry R.J.	2014	Australian wild rice reveals pre-domestication origin of polymorphism deserts in rice genome	<i>PLoS ONE</i> 9(6): e98843 DOI: 10.1371/journal.pone.0098843	9.23	-



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29.	Thakur S., Singh P.K., Rathour R., Variar M., Prsahanthi S.K., Gopala Krishnan S., Singh A.K., Singh U.D., Chand D., Singh N.K. and Sharma T.R.	2014	Genotyping and development of single-nucleotide polymorphism (SNP) markers associated with blast resistance genes in rice using Golden Gate assay	<i>Molecular Breeding</i> DOI: 10.1007/s11032-014-0129-9	8.25	-
30.	Bajaj Deepak, Hari Upadhyaya, Yusuf Khan, Shouvik Das, Saurabh Badoni, Tanima Shree, Vinod Kumar, Shailesh Tripathi, C.L.L. Gowda, Sube Singh, Shivali Sharma, Akhilesh Tyagi, Debasis Chattopadhyay, and Swarup Parida	2015	A combinatorial approach of comprehensive QTL-based comparative genome mapping and transcript profiling identified a seed weight-regulating candidate gene in chickpea. Accepted in Nature	<i>Scientific Reports</i>	11.58	-
31.	Khanna A., Sharma V., Ellur R.K., Shikari A.B., Gopala Krishnan S., Singh U.D., Prakash G., Sharma TR, Rathour R., Variar M., Prashanthi S.K., Nagarajan M., Vinod K.K., Bhowmick P.K., Singh N.K., Prabhu K.V., Singh B.D. and Singh A.K.	2015	Development and evaluation of near isogenic lines for major blast resistance gene(s) in Basmati rice	<i>Theor. Appl. Genet.</i> DOI: 10.1007/s00122-015-2502-4	9.79	-
32.	Kumari S., Dahuja A., Vinutha T., Lal S.K., Kar A. and Rai R.D.	2015	Changes in the levels of off-flavour generation in soybean through bio elicitor treatments	<i>J. Agric. Food Chem.</i>	8.38	-
33.	Ranjeet Ranjan Kumar, Subeha Goswami, Sushil K. Sharma, Yugal K. Kala, Gyanendra K. Rai, Dwijesh C. Mishra, Monendra Grover, Gyanendra P. Singh, Himanshu Pathak, Anil Rai, Viswanathan Chinnusamy and Raj D. Rai	2015	Harnessing next generation sequencing in climate change: RNA-Seq Analysis of heat stress-responsive genes in wheat (<i>Triticum aestivum</i> L.)	<i>OMICS A Journal of Integrative Biology</i> 19: 10 DOI: 10: 1089/omi.2015.0097	8.38	-



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34.	Prashant Vikram, Jorge Franco, Juan Burgueno-Ferrera, Huihui Li, Deepmala Sehgal, Carolina Saint Pierre, Cynthia Ortiz, Clay Sneller, Maria Tattaris, Carlos Guzman, Carolina Paola Sansaloni et al.	2016	Unlocking the genetic diversity of Creole wheat	<i>Scientific Report-Nature</i> 6: 23092 DOI: 10.1038/srep23092)	11.58	-
35.	Singh D., Singh C.K., Tomar R.S.S., Taunk J., Singh R., Maurya S., Chaturvedi A.K., Pal M., Singh R., Dubey S.K.	2016	Molecular assortment of Lens species with different adaptations to drought conditions using SSR markers	<i>PLOS ONE</i> DOI: 10.1371/journal.pone.0147213	9.23	-
36.	Singh D., Pal M., Singh CK, T. Jyoti, Jain P., Chaturvedi, A.K.M. Sadhana, Karwa S., Singh R., Tomar, R.S. Singh, N. Rita, C. Nandini and Singh M.P.	2016	Molecular scanning and morpho-physiological dissection of component mechanism in Lens species in response to aluminium stress	<i>PLOS ONE</i> DOI:10.1371/journal.pone. 0160073	9.23	-
37.	Tomar R.S., Sushma Tiwari., Vinod., Bhojaraja Naik K., Suresh Chand., Rupesh Deshmukh., Niharika Mallick., Sanjay Singh., N.K. Singh, S.M.S. Tomar	2016	Molecular and morpho-agronomical characterization of root architecture at seedling and reproductive stages for drought tolerance in wheat	<i>PLOS ONE</i> DOI: 10.1371/journal.pone.0156528 pp:1-21	9.23	-

List of Publications of Faculty Members (NAAS Factor >8)

Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
1.	Tara Satyavathi, C. Sakkira Begum, Singh, B.B, Unnikrishnan, K.V. and Bharadwaj, C.	2009	Analysis of diversity among cytoplasmic male sterile sources and their utilization in developing F1 hybrids in Pearl millet [<i>P. glaucum</i>]	<i>Ind. J. Genet.</i> 69(4): 126-133	6.19	-
2.	Chakraborti M. Prasanna B.M. Singh A. and Hossain F.	2010	Generation mean analysis of kernel iron and zinc concentrations in maize (<i>Zea mays</i> L.)	<i>Indian J. Agricultural Sciences</i> 80(11): 956-959	6.14	-



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3.	Rakesh Singh, A.K. Singh, T.R. Sharma, Aqbal Singh, N.K. Singh	2007	Fine Mapping of Aroma QTLs in Basmati Rice (<i>Oryza sativa</i> L.) on Chromosomes 3, 4 and 8	<i>Journal of Plant Biochemistry and Biotechnology</i> 16(2): 75-82	7.09	-
4.	A. Kumar, P. Tripathi, A.K. Singh	2007	Effects of dry spell on growth, development and yield of rice (<i>Oryza sativa</i>)	<i>Indian J. Agric Sci.</i> 76: 47-49	6.14	-
5.	S.M.S. Tomar, Vinod, Bhanwar Singh	2007	Genetic analysis of apical lethality in <i>Triticum aestivum</i> L.	<i>Euphytica.</i> 156(3): 425-431	7.39	-
6.	Vinod, B. Singh, P. Sinha, A. Ali, R.S. Tomar, J.B. Sharma, S.M.S. Tomar	2009	Inheritance of angled spikelet arrangement in <i>Triticum durum</i> Desf.	<i>Indian Journal of Genetics and Plant Breeding</i> 69(3): 243-246	6.19	-
7.	B. Singh, S.M.S. Tomar	2007	Genetics of crinkled leaf in <i>Triticum aestivum</i> L. and hairy peduncle in triticale	<i>Indian Journal of Genetics and Plant Breeding</i> 67(1): 73-74	6.19	-
8.	Sivasamy M., Vinod, Sushma Tiwari, R.S. Tomar, Bhanwar Singh, J.B. Sharma, S.M. S. Tomar and Suresh Chand	2009	Introgression of useful linked genes for resistance to stem rust, leaf rust and powdery mildew and their molecular validation in wheat (<i>Triticum aestivum</i> L.)	<i>Ind. J. Genet.</i> 69(1): 17-27	6.19	-
9.	Singode, A., Sekhar, J.C., Kalyani Srinivasan and Prasanna, B.M.	2009	Evaluation of yield performance of selected North East Himalayan (NEH) maize landrace accessions of India outside their original habitat	<i>Ind. J. Genet.</i> 69(3): 191-198	6.19	-
10.	Tara Satyavathi, C. Sakkira Begum, Singh, B.B., Unnikrishnan, K.V. and Bharadwaj, C.	2009	Analysis of diversity among cytoplasmic male sterile sources and their utilization in developing F1 hybrids in Pearl millet [<i>Pennisetum glaucum</i> (R.) Br]	<i>Ind. J. Genet.</i> 69(4): 126-133	6.19	-
11.	Bharathi L.K., Vinod, A.D. Munshi, T.K. Behera, C. Shanti, K. Joseph John, A.B. Das, and Vishalnath	2010	Cyto-morphological evidence for segmental allopolyploid origin of teasle gourd (<i>Momordica subangulata</i> sub sp. renigera)	<i>Euphytica</i> 176: 79-85	7.39	-



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12.	Prabhu K.V., Singh A.K., Basavaraj S.H., Cherukuri D.P., Charpe A., Gopala Krishnan S., Gupta S.K., Joseph M., Koul S., Mohapatra T., Pallavi J.K., Samsampour D., Singh A., Singh V.K., Singh A. and Singh V.P.	2009	Marker assisted selection for biotic stress resistance in wheat and rice	<i>Ind. J. Genet.</i> 69(4): 305-314	6.19	-
13.	Singh, R.K, Sharma, R.K., Singh, A.K. Tiwari, S.P. and Mohapatra, T.	2009	Cost effective method for detection of admixture in traditional Basmati rice using mapped sequence tagged microsatellite markers	<i>Natl. Acad. Sci Lett.</i> 33: 11-12	6.29	-
14.	Ammar, M.H.M., Pandit, A., Singh, R.K., Sameena, S., Chauhan, M.S., Singh, A.K, Sharma, P.C., Gaikwad, K. Sharma, TR, Mohapatra, T., Singh, N.K.	2009	Mapping of QTL controlling Na ⁺ , K ⁺ , Cl ⁻ ion concentration in salt tolerant indica variety CSR 27	<i>J. Plant Biochemistry and Biotechnology</i> 18: 139-150	7.09	-
15.	Malik, B.S., S. Paul, A.K. Ahlawat, Anju M. Singh and Y.S. Shivay.	2009	Productivity and quality of wheat spp grown with different fertilization conditions	<i>Ind. J. Ag. Sci.</i> 79: 636-40	6.14	-
16.	Khanduri A., Prasanna B.M., Hossain F., and Lakhera P.C.	2010	Genetic analyses and association studies of yield components and kernel sugar concentration in sweet corn	<i>Ind. J. Genet.</i> 70(3): 257-263	6.19	-
17.	Dubey L., Prasanna B.M. Hossain F., Verma D.K. and Ramesh B.	2010	Phenotypic evaluation of a set of selected exotic maize for drought stress tolerance in India	<i>Ind. J. Genet.</i> 70(4): 355-362	6.19	-
18.	Ravi, D., Anandan, S., Khan, A.A., Bidinger, F.R., Nepolean, T., Hash, C.T. and Blümmel, M.	2010	Morphological, chemical and <i>In vitro</i> traits for prediction of stover quality in pearl millet for use in multidimensional crop improvement	<i>Animal Nutrition and Feed Technology</i> 10S: 49-59	6.13	-
19.	Gowda, D.S., G.P. Singh, Anju M Singh, J.J. Deveshwar and A.K. Ahlawat	2010	Stability analysis for physiological and quality parameters in wheat. (<i>Triticum aestivum</i> L.)	<i>Ind. J. Agril. Sci.</i> 80(12): 1028-1032	6.14	-



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20.	Dwivedi N.K., Dhariwal O.P., Gopala Krishnan S. and Bhandari D.C.	2010	Distribution and extent of diversity in Cucumis species in the Aravalli ranges of India	<i>Genetic Resources and Crop Evolution</i> 57(3): 443-452	7.46	-
21.	Tyagi, N., K., Ramesh, B., Mohapatra, T., Prabhu, K.V. and Singh, A.K.	2010	Inheritance and mapping of transgene in a transgenic 'Golden Rice' line of Japonica rice (<i>O. sativa</i> . L.) variety Taipei 309	<i>Ind. J. agric. Sci.</i> 11: 939-46	6.14	-
22.	Vinita Pachauri, Manish K. Singh, Ashok K. Singh, Sanjay Singh, N.A. Shakeel, Vijay P. Singh, Nagendra K. Singh	2010	Origin and Genetic Diversity of Aromatic Rice Varieties, Molecular Breeding and Chemical and Genetic Basis of Rice Aroma	<i>J. Plant Biochemistry and Biotechnology</i> 19(2): 127-143	7.09	-
23.	Khanduri A., Hossain F., Lakhera P.C. and Prasanna B.M.	2011	Effect of harvest time on kernel sugar concentration in sweet corn	<i>Ind. J. Genet.</i> 71(3): 231-234	6.19	-
24.	Shevkani, K., Singh, N., Singh, S., Ahlawat, A.K. and Anju M Singh.	2011	Relationship between functional and rheological properties of starches from different wheat lines.	<i>Ind. J. Food Science and Technol.</i> 46(12): 2584-2590	7.38	-
25.	Singh, D. and Raje, R.S	2011	Genetics of aluminium tolerance in chickpea (<i>Cicer arietinum</i> L. <i>Millspaugh</i>)	<i>Plant Breeding</i> 130: 563-568	7.60	-
26.	Singh, D., Raje, R.S. and Choudhary, A.K.	2011	Genetic control of aluminium tolerance in pigeonpea (<i>Cajanus cajan</i> L.)	<i>Crop & Pasture Science</i> 62: 761-764	7.48	-
27.	Singh, N.K., Gupta, D.K. Jayaswal, P.K., Mahato, A.K., Dutta, S., Singh, S., Bhutani, S., Dogra, V., Singh, B.P., Kumawat, G., Pal, J.K., Pandit, A., Singh, A., Hukum Rawal, Akhilesh Kumar, <i>et. al.</i>	2011	The first draft of the pigeonpea genome sequence	<i>J. Plant Biochemistry and Biotechnology</i> 21: 98-112	7.09	-
28.	Gopala Krishnan S., Singh J.P. and Dwivedi N.K.	2011	Primitive weedy forms of guar, adak guar: possible missing link in the domestication of guar [<i>Cyamopsis tetragonoloba</i> (L.) Taub.]	<i>Genetic Resources and Crop Evolution</i> 58(7): 961-966	7.46	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
29.	Singh A.K., Gopala Krishnan S., Singh V.P., Mohapatra T., Prabhu K.V., Singh N.K., Sharma TR, Nagarajan M., <i>et. al.</i>	2011	Marker assisted selection: a paradigm shift in Basmati breeding	<i>Ind. J. Genet.</i> 71(2): 1-9	6.19	-
30.	Agrawal P.K., Jaiswal S.K., Prasanna B.M., Hossain F., Saha S., Guleria S.K. and Gupta H.S.	2012	Genetic variability and stability for kernel iron and zinc concentration in maize (<i>Zea mays</i> L.) genotypes	<i>Ind. J. Genet.</i> 72(4): 421-428	6.19	-
31.	Singh, Rakesh, Singh, A.K., Sharma, T.R., Singh, A. and Singh, N.K.	2011	Fine mapping of grain length QTLs on chromosomes 1 and 7 in Basmati rice (<i>Oryza sativa</i> L.)	<i>J. Plant Biochem. Biotechnol.</i> DOI: 10.1007/s13562-011-0080-3	7.09	-
32.	Tiwari A., Prasanna B.M., Hossain F. and Guruprasad K.N.	2012	Analysis of genetic variability for kernel carotenoid concentration in selected maize inbred lines	<i>Ind. J. Genet.</i> 72(1): 1-6	6.19	-
33.	Singh, Anju-Mahendru, Singh, S.K., Ahlawat, A.K., Jain, N., Singh, G.P., Ravi, I., Yadav, M. and Misra, P.C.	2012	Distribution of alleles of grain quality genes in Indian bread wheat varieties	<i>Ind. J. Genet.</i> 72(2): 208-216	6.19	-
34.	Singh, S.K., Singh, A.M, Jain, N., Singh, G.P., Ahlawat, A.K. and Ravi, I.	2012	Molecular characterization of vernalization and photoperiod genes in wheat varieties from different agroclimatic zones of India	<i>Cereal Research Communication</i> (Accepted)	6.61	-
35.	Guleria S., Sharma V., Marathi B., Anand S., Singh N.K., Gopala Krishnan S., Mohapatra T., Prabhu K.V. and Singh A.K.	2012	Molecular mapping of grain physic-chemical and cooking quality traits using recombinant inbred lines in rice (<i>Oryza sativa</i> L.)	<i>J. Plant Biochemistry and Biotechnology</i> 21(1): 1-10	7.09	-
36.	Dixit, P. Dokku, S.V. Amitha Mithra, S.K. Parida, A.K. Singh, N. K. Singh, T. Mohapatra	2012	Haplotype structure in grain weight gene GW2 and its association with grain characteristics in rice	<i>Euphytica</i> DOI: 10.1007/s10681-012-0852-4	7.39	-
37.	Rakesh K. Srivastava, Shashi K. Mishra, Ashok K. Singh and Trilochan Mohapatra	2012	Development of a coupling-phase SCAR marker linked to the powdery mildew resistance gene 'er1' in pea (<i>Pisum sativum</i> L.)	<i>Euphytica</i> DOI: 10.1007/s10681-012-0650-z	7.39	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
38.	Sonah H., R.K. Deshmukh, S. Chand, M.Srinivas Prasad, G.J.N. Rao, H.C. Upreti, A.K. Singh, N.K. Singh and T.R. Sharma	2012	Molecular Mapping of Quantitative Trait Loci for Flag Leaf Length and Other Agronomic Traits in Rice (<i>Oryza sativa</i> L.)	<i>Cereal Research Communications</i> 40(3): 362-372	6.61	-
39.	Anand D., Baunthiyal M., Gopala Krishnan S., Singh N.K., Prabhu K.V. and A.K. Singh	2013	Novel InDel variation in GS3 locus and development of InDel based marker for marker assisted breeding of short grain aromatic rice	<i>J. Plant Biochemistry and Biotechnology</i> DOI: 10.1007/s13562-013-0243-5	7.09	-
40.	Singh V.K., Singh A., Singh S.P., Ellur R.K., Singh D., Gopala Krishnan S., Bhowmick P.K., Nagarajan M., Vinod K.K., Singh U.D., Mohapatra T., Prabhu K.V., Singh A.K.	2013	Marker-assisted simultaneous but stepwise backcross breeding for pyramiding blast resistance genes Piz5 and Pi54 into an elite Basmati rice restorer line 'PRR78'	<i>Plant Breeding</i> 132(5): 489-495	7.60	-
41.	John K.J., Scariah S., Nissar V.A.M., Latha M., Gopala Krishnan S., Yadav S.R. and Bhat K.V.	2013	On the occurrence, distribution, taxonomy and genepool relationship of Cucumis callosus (Rottler) Cogn., the wild progenitor of <i>Cucumis melo</i> L. from India	<i>Genetic Resources and Crop Evolution</i> 60(3): 1037-1046	7.46	-
42.	Anand D., Baunthiyal M., Singh A., Gopala Krishnan S., Singh N.K., Prabhu K.V. and Singh A.K.	2013	Validation of gene based marker-QTL association for grain dimension traits in rice	<i>J. Plant Biochemistry and Biotechnology</i> 22(4): 467-473	7.09	-
43.	Yadav Sheel, Singh Ashutosh, Goel Nitika, Singh A.K.	2013	Identification of Indian rice germplasm lines with bacterial leaf blight (BLB) resistance genes	<i>Ind. J. Genet.</i> 73(3): 310-313	6.19	-
44.	Thakur S., P.K. Singh, Rajeev Rathour, M. Variar, S.K. Prashanthi, A.K. Singh, U.D. Singh, D. Chand, N.K. Singh, Tilak Raj Sharma	2013	Positive selection pressure on rice blast resistance allele Piz-t makes it divergent in Indian land races	<i>Journal of Plant Interactions</i> (Accepted)	6.00	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
45.	Vijayan J., Jain S., Jain N., Devanna B.N., Rathour R., Variar M., Prashanthi S., Singh A. K., Singh U.D., Singh N. K., Sharma T. R.	2013	Identification of differentially expressed genes in rice during its early phases of interaction with Magnaporthe oryzae	<i>Ind. J. Genet.</i> 73(3): 233-243	6.19	-
46.	Talukdar Akshay, Shivakumar M.	2013	Pollination without emasculation, an efficient method of hybridization in soybean	<i>Current Science</i> 103(6): 628-630	6.93	-
47.	Kumar, H., Dikshit, H. K., Singh, A. M., Singh, D., Kumari, J., Singh, A., & Kumar, D.		Characterization of elite lentil genotypes for seed iron and zinc concentration and genotype x environment interaction studies	<i>Ind. J. Genet.</i> 73(2): 169-176	6.19	-
48.	Sinha Pallavi, S.M.S. Tomar, Vinod, Vikas Kumar Singh and H.S. Balyan	2013	Genetic analysis and molecular mapping of a new fertility restorer gene Rf8 for Triticum timopheevi cytoplasm in wheat (<i>Triticum aestivum</i> L.) using SSR markers	<i>Genetica</i> 141: 431-441	7.40	-
49.	Nepolean T., Senthilvel S., Hossain F., Namratha P.M. and Gupta H.S.	2013	Combating abiotic stresses in maize (<i>Zea mays</i>): Genomics approaches and in-silico tools available for the breeders. Review	<i>Ind. J. Agric. Sci.</i> 83: 1115-21	6.14	-
50.	Guleria S.K., Chahota R.K., Kumar P., Kumar A. Prasanna B.M., Hossain F., Agrawal P.K. and Gupta H.S.	2013	Analysis of genetic variability and genotype × year interactions on kernel zinc concentration in selected Indian and exotic maize (<i>Zea mays</i> L.) genotypes	<i>Ind. J. Agric. Sci.</i> 83(8): 836-841	6.14	-
51.	Sivaranjani R. Prasanna B.M. Hossain F. and Santha I.M.	2013	Genetic variability for total carotenoid concentration in selected maize inbred lines	<i>Ind. J. Agric. Sci.</i> 83(4): 431-436	6.14	-
52.	Gupta H.S., Raman B., Agrawal P.K., Mahajan V., Hossain F. and Nepolean T.	2013	Accelerated development of quality protein maize hybrid through marker-assisted introgression of opaque-2 allele	<i>Plant Breeding</i> 132: 77-82	7.60	-
53.	Nepolean T., Singh I., Hossain F., Pandey N. and Gupta H.S	2013	Molecular characterization and assessment of genetic diversity of inbred lines showing variability for drought tolerance in maize	<i>J. Plant Biochemistry and Biotechnology.</i> DOI: 10.1007/s13562-012-0112-7. 22(1): 71-79	7.09	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
54.	Firoz Hossain, T. Nepolean, A.K. Vishwakarma, N. Pandey, B.M. Prasanna, H.S. Gupta.	2013	Mapping and validation of microsatellite markers linked to sugary1 and shrunken2 genes in maize (<i>Zea mays</i> L.)	<i>J. Plant Biochem. and Biotechnol.</i> DOI: 10.1007/s13562-013-0245-3	7.09	-
55.	Sharma Rajiv K., Pawan K. Singh, Vinod, Arun K. Joshi, Subhash C. Bhardwaj, Navtej S. Bains and Sukhwinder Singh	2013	Protecting south Asian wheat production from stem rust (Ug99) epidemic	<i>J. Phytopathol.</i> 161(5): 299-307	7.04	-
56.	Kallesh, D.T., G.P. Singh, Anju M. Singh, R.K. Sharma, A. Arora, and A.K. Ahlawat	2013	Association of physiological and morphological traits with grain yield under moisture stress conditions in bread wheat (<i>Triticum aestivum</i>)	<i>Ind. J. Agric. Sci.</i> 83(11): 1257-60	6.14	-
57.	Sivaranjani R., Santha I.M., Pandey N., Vishwakarma A.K., Nepolean T. and Hossain F.	2014	Microsatellite-based genetic diversity in selected exotic and indigenous maize (<i>Zea mays</i> L.) inbred lines differing in total kernel carotenoids	<i>Indian J. Genet.</i> 74(1): 34-41	6.19	-
58.	Tomar S.M.S, Sanjay K. Singh, M. Sivasamy and Vinod	2014	Wheat rusts in India: Resistance breeding and gene deployment A review	<i>Ind. J. Genet.</i> 74(2): 129-156	6.19	-
59.	Tomar R.S., Rupesh K. Deshmukh, Bhojaraja Naik K., S.M.S. Tomar and Vinod	2014	Development of chloroplast specific microsatellite markers for molecular characterization of alloplasmic lines and phylogenetic analysis in wheat	<i>Plant Breeding</i> 133: 12-18	7.60	-
60.	Gireesh C., Vinod, J.B. Sharma and K.V. Prabhu	2014	Genetics and molecular mapping of stem rust resistance in bread wheat genotype WR95	<i>Euphytica</i> (Accepted)	7.39	-
61.	Singh A.K., Singh V.K., Singh A., Ellur R.K., Pandian RTP, Gopala Krishnan S., Singh U.D., Nagarajan M., Vinod K.K., and Prabhu K.V.	2014	Introgression of multiple disease resistance into a maintainer of Basmati rice CMS line by marker assisted backcross breeding	<i>Euphytica</i> DOI: 10.1007/s10681-014-1267-1	7.39	-
62.	Agrawal P.K., Jaiswal S.K., Prasanna B.M., Hossain F., Saha S., Guleria S.K. and Gupta H.S.	2012	Genetic variability and stability for kernel iron and zinc concentration in maize (<i>Zea mays</i> L.) genotypes	<i>Ind. J. Genet.</i> 72(4): 421-428	6.19	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
63.	Singh, Rakesh, Singh, A.K., Sharma, T.R., Singh, A. and Singh, N.K.	2011	Fine mapping of grain length QTLs on chromosomes 1 and 7 in Basmati rice (<i>Oryza sativa</i> L.)	<i>J. Plant Biochem. Biotechnol.</i> DOI: 10.1007/s13562-011-0080-3	7.09	-
64.	Hai H.N., Lal S.K., Singh S.K., Prabhu K.V., Talukdar Akshay and Sapra R.L.	2014	Direct organogenesis in some soybean genotypes using cotyledonary segments	<i>Indian J. Biotech.</i> 13: 527-531	6.39	-
65.	Anand D., Baunthiyal M., Gopala Krishnan S., Singh N.K., Prabhu K.V. and A.K. Singh	2015	Novel InDel variation in GS3 locus and development of InDel based marker for marker assisted breeding of short grain aromatic rices	<i>J. Plant Biochem. Biotechnol.</i> 24: 120-127	7.09	-
66.	Dutta DS, Dadlani M, Sharma RN and Talukdar Akshay	2016	DNA based genetic diversity and relationship analysis in Indian domesticated <i>Capsicum</i> spp. Res.	<i>J. Biotech.</i> 11(3): 25-33	6.39	-
67.	Gupta, S.K., Nepolean, T., Mukesh Sankar, S., Rathore, A., Das, R.R., Rai, K.N. and Hash, C.T.	2015	Genetic diversity in current and previously developed hybrid parents of pearl millet.	<i>The Scientific World Journal</i> [Accepted]	6.00	-
68.	Malav P., Pandey A., Bhatt K.C., Gopala Krishnan S. and Bisht I.S.	2015	Morphological variability in holy basil (<i>Ocimum tenuiflorum</i> L.) from India	<i>Genetic Resources and Crop Evolution</i> DOI: 10.1007/s10722-015-0227-5. (NAAS ID – G010)	7.46	-
69.	Rai H., Raju D.V.S., Arun Kumar M.B., Janakiram T., Namita N., Gopala Krishnan S. and Rana J.C.	2015	Characterization and analysis of genetic diversity among different species of rose <i>Rosa</i> species using morphological and molecular markers	<i>Indian Journal of Agricultural Sciences</i> 85(2): 240-245	6.14	-
70.	Sarkar R., Rao A.R., Prabina K.M., Nepolean T., Mohapatra T.	2015	Evaluation of random forest regression for prediction of breeding value from genome-wide SNPs	<i>Journal of Genetics</i> (Accepted)	6.19	-
71.	Singh D., Dikshit H.K. and Kumar, A.	2015	Aluminium tolerance in lentil with monogenic inheritance pattern	<i>Plant Breeding</i> 134: 105-110	7.60	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation index
72.	Singh Naveen, Yadava D.K., Vasudev Sujata, Singh Rajendra, Giri S.C., Dass B., Barun Siddhartha and Prabhu K.V.	2015	Combining ability and heterobeltiosis for yield and yield contributing traits in high quality oil Indian mustard (<i>Brassica juncea</i>) genotypes	<i>Indian Journal of Agricultural Sciences</i> 85(4): 498-503	6.14	-
73.	Singh V.K., Singh V.K., Ellur R.K., Gopala Krishnan S. and Singh A.K.	2015	Validation of rapid DNA extraction protocol and their effectiveness in marker assisted selection in crop plants.	<i>Indian J. Genet.</i> 75(1): 110-113	6.19	-
74.	Singh, D., Pal, M., Singh, R. and Singh, C.K.	2015	Physiological and biochemical characteristics of Vigna species for Al stress tolerance	<i>Acta Physiologia Plantarum</i> 37: 87 DOI: 10.1007/s/11738-015-1834-7	7.58	-
75.	Tiwari K.K., Singh A., Pattnaik S., Sandhu M., Kaur S., Jain S., Tiwari S., Mehrotra S., Anumalla M., Samal R., Bhardwaj J., Dubey N., V. Sahu, Kharshing G.A., Zeliang P.K., K. Sreenivasan, Kumar P., Parida S.K., Mithra S.V.A., Rai V., Tyagi W., Agarwal P.K., Rao A.R., Pattanayak A., et al.	2015	Identification of a diverse mini-core panel of Indian rice germplasm based on genotyping using microsatellite markers	<i>Plant Breeding</i> DOI: 10.1111/pbr.12252	7.60	-
76.	Singh D., Ram Sevak S. Tomar, Ashish K. Chaturvedi, Divya Shah, Arun Kumar, Madan Pal	2016	Exploring genetic diversity for heat tolerance among lentil (<i>Lens culinaris</i> Medik.) genotypes of variant habitats by simple sequence repeat markers	<i>Plant Breeding</i> DOI: 10.1111/pbr.12341	7.60	-
77.	Kailash B. Bhawar, Vinod, J.B. Sharma, A. K. Singh, M. Sivasamy, Mona Singh, K. V. Prabhu, S.M.S. Tomar, T.R. Sharma and B. Singh	2011	Molecular marker assisted pyramiding of leaf rust resistance genes <i>Lr19</i> and <i>Lr28</i> in wheat variety HD2687	<i>Ind. J. Genet.</i> 71(4): 304-311	6.19	-
78.	Kumar Durgesh, S. Kumarsamy, Vinod, Gaurav Kumar and S.M.S. Tomar	2011	Genetics of rust resistance and cytogenetic studies in a derivative of wheat (<i>Triticum aestivum</i> L.) x <i>Aegilops speltoides</i>	<i>Ind. J. Genet.</i> (71): 151-157	6.19	-



Faculty Profile

(i) Professors

Sl. No.	Name	Period
1.	Dr. R.D. Singh	2000-2008
2.	Dr. S.S. Singh	2008-2009
3.	Late Dr. (Mrs.) Shanti Chandrashekharan	2009-2011
4.	Dr. A.K. Singh	2013-2014
5.	Dr. Vinod	Since 2014

(ii) Heads

Sl. No.	Name	Period
1.	Dr. K.V. Prabhu	2006-2013
2.	Dr. A.K. Singh	Since 2014

Faculty Profile

Sl. No.	Faculty Member	Qualification	Specialization	h-Index	i10-Index
1.	Dr. K.V. Prabhu (JDR)	Ph.D	Wheat Breeding	19	37
2.	Dr. Ashok Kumar Singh (Head)	Ph.D	Rice Breeding	23	38
3.	Dr. Vinod (Professor)	Ph.D	Wheat Genetics and Cytogenetics	7	6
4.	Dr. Ram Kumar Sharma	Ph.D	Wheat Breeding	-	-
5.	Dr. Sujata	Ph.D	Brassica Quality Genetics	5	6
6.	Dr. Sanjay Kumar	Ph.D	Wheat Breeding	-	-
7.	Dr. Rajbir Yadav	Ph.D	Wheat Breeding	-	-
8.	Dr. C. Tara Satyavathi	Ph.D	Pearlmillet Breeding	-	-
9.	Dr. Chellapilla Bharadwaj	Ph.D	Chickpea Breeding	-	-
10.	Dr. (Ms.) Anju Mahendru	Ph.D	Wheat Quality Breeding	7	6
11.	Dr. Sanjay Kumar Lal	Ph.D	Soybean Breeding	6	3
12.	Dr. D.K. Yadava	Ph.D	Brassica Breeding	8	6
13.	Dr. R.N. Gadag	Ph.D	Maize Breeding		
14.	Dr. J. B. Sharma	Ph.D	Wheat Breeding	6	3
15.	Dr. H.K. Dikshit	Ph.D	Lentil & Mungbean Breeding	-	-
16.	Dr. Akshay Talukdar	Ph.D	Soyabean Breeding	10	10
17.	Dr. R.S. Rajee	Ph.D	Pigeonpea Breeding	-	-
18.	Dr. Gopala Krishnan S.	Ph.D	Rice Breeding	12	12
19.	Dr. Naveen Singh	Ph.D	Brassica Breeding	4	



Sl. No.	Faculty Member	Qualification	Specialization	h-Index	i10-Index
20.	Dr. Shailesh Tripathi	Ph.D	Chickpea Breeding	5	6
21.	Dr. T. Nepolean	Ph.D	Maize Breeding and Genomics	-	-
22.	Dr. Pradeep Kumar Singh	Ph.D	Wheat Breeding	-	-
23.	Dr. Sumer Pal Singh	Ph.D	Pearl Millet Breeding	24	3
24.	Dr. Dharmendra Singh	Ph.D	Lentil and Mungbean Breeding	-	-
25.	Dr. Firoz Hossain	Ph.D	Maize Breeding	9	9
26.	Dr. Neelu Jain	Ph.D	Wheat Biotechnology	-	-
27.	Dr. Prolay Kr. Bhowmick	Ph.D	Rice Genetics	5	3
28.	Dr. Kiran Gaikwad	Ph.D	Wheat Breeding	2	-
29.	Dr. Niharika Mallick	Ph.D	Wheat Breeding	1	-
30.	Dr. Vignesh M.	Ph.D	Maize Genetics and Breeding	6	4
31.	Dr. Shallendra Kumar Jha	Ph.D	Wheat Breeding	3	-
32.	Dr. Venkatraman Hedge	Ph.D	Chickpea Breeding	5	3
33.	Dr. Navinder Saini	Ph.D	Cotton Breeding	13	15
34.	Dr. Muraleedhar Aski	Ph.D	Lentil and Mungbean Breeding	2	-
35.	Dr. Naresh Kumar	Ph.D	Wheat Breeding	2	-
36.	Mr. Rama Prasad G.	Ph.D	Pigeonpea Breeding and Genomics	-	-
37.	Dr. Kumar Durgesh	Ph.D	Pigeonpea Breeding	-	-
38.	Dr. H. Prashanth Babu	Ph.D	Wheat Quality Breeding	-	-
39.	Dr. Ganapati Mukri	Ph.D	Maize Breeding and Genetics	-	-
40.	Dr. Mallikaarjuna MG	Ph.D	Maize Genetics and Genomics	-	-
41.	Dr. Ranjith Kumar Ellur	Ph.D	Rice Genetics and Breeding	-	-
42.	Dr. Niranjana M	Ph.D	Wheat Breeding	-	-
43.	Dr. (Ms.) Jyoti Kumari (NBPGR)	Ph.D	Plant Breeding	-	-
44.	Dr. Nirupma Singh (ICAR-IIMR)	Ph.D	Maize Breeding	-	-
45.	Dr. K.K. Vinod (Aduthurai)	Ph.D	Rice Breeding	-	-
46.	Dr. Jayant Bhat (Dharwad)	Ph.D	Chickpea Breeding	-	-
47.	Dr. Dharam Pal (Shimla)	Ph.D	Wheat Breeding	-	-
48.	Dr. Madhu Patial (Shimla)	Ph.D	Wheat Breeding	-	-
49.	Dr. S.V. Sai Prasad (Indore)	Ph.D	Wheat Breeding	-	-
50.	Dr. P. Jayaprakash (Wellington)	Ph.D	Wheat Breeding	-	-
51.	Dr. B.S. Patil (Dharwad)	Ph.D	Genetics and Plant Breeding	-	-



Plant Genetic Resources

Rekha Chaudhury

Students Awarded Degree

M.Sc. Students

Sl. No.	Year	Name of the Student	Thesis title	Chairperson	Award/ Distinction
1.	2007	Adhini S. Pazhany	Molecular characterization of selected rice landraces of Southern India using STMS markers	Dr. B.B. Mandal	-
2.	2008	Fikirte A.	Effect of Relative Humidity and Temperature on Seed Drying and shelf life of Sorghum, Lentil and Niger	Dr. A.K. Singh	-
3.	2008	Gopala Sundraraj S.	Development of synthetic seeds in <i>Zingiber officinale</i> for <i>in vitro</i> conservation and exchange of germplasm	Dr. R.K. Tyagi	IARI Merit Medal
4.	2008	Vishal Singh	Isolation and analysis of genes for salt tolerance in <i>Vigna spp.</i>	Dr. Veena Gupta	-
5.	2009	Santosh Kumar G.	Ultra-desiccation and population differentiation studies in drumstick (<i>Moringa oleifera</i> Lam.)	Dr. Veena Gupta	-
6.	2010	Sathiyamoorthy G.	Dynamics of landrace diversity in traditional production systems- a case study on rice genetic diversity in Tamil Nadu state of India	Dr. I.S. Bisht	-
7.	2010	Shaphalika Amarapali	Diversity analysis for yield and quality traits in grain amaranth genetic resources	Dr. R.P. Dua	-
8.	2010	Ajit Uchoi	Characterization and cryopreservation of genetic resource of <i>Citrus macroptera</i> collected from Tripura and Mizoram	Dr. S.K. Malik	-
9.	2011	Rohini M.R.	Characterization and cryopreservation of sweet orange (<i>Citrus sinensis</i> L.) Osbeck) cultivars of India	Dr. S.K. Malik	-
10.	2011	Subhash Chander	Evaluation of different species of rapeseed mustard against mustard aphid (<i>Lipaphis erysimi</i> Kalt.)	Dr. (Mrs) Shashi Bhala	-
11.	2012	Kuldeep Tripathi	Differential reaction of cowpea genotypes to pulse beetles under artificial seed infestation and biochemical basis of resistance	Dr. (Mrs) Shashi Bhalla	-



Sl. No.	Year	Name of the Student	Thesis title	Chairperson	Award/ Distinction
12.	2012	Krishna Prakash	Genetic resource diversity in <i>Luffa</i> (Cucurbitaceae) from India: Morphological, biochemical and molecular considerations	Dr. Anjula Pandey	-
13.	2012	Gopal Singh Jatav	Studies on water and oil contents in relation to seed cryobiology in Pilu (<i>Salvadora oleioides</i> Deene.)	Dr. Rekha Chaudhury	-
14.	2013	Manish Kumar Mittal	Molecular analysis of genetic variation and population differentiation in aromatic rice (<i>Oryza sativa</i> L. Sub-species <i>indica</i>) of Uttar Pradesh	Dr. Mahesh C. Yadav	-
15.	2013	Rahul Chandora	Molecular and morphological analysis of genetic variation and population differentiation in local maize (<i>Zea mays</i> L.) landraces of Rajasthan	Dr. M.Dutta	-
16.	2013	Vikash Chandra Tyagi	Seed Cryopreservation: Optimising Recovery conditions in terms of Physiological and Morphological Aspects for Diverse Plant Species	Dr. Rekha Chaudhury	-
17.	2014	Badal Singh	Molecular genetic diversity analysis of pomegranate (<i>Punica granatum</i> L.) field genebank collection by using ISSR markers	Dr. Sunil Archak	-
18.	2014	Anil Patildar	Analysis of Terminal – Heat Stress Tolerant and Susceptible Genotypes of Bread Wheat (<i>Triticum aestivum</i> L.) using Molecular Markers	Dr. M. C. Yadav	-
19.	2014	Pavan Kumar Malav	Morpho-molecular variability in <i>Ocimum tenuiflorum</i> L. (Lamiaceae) genotypes in India	Dr. Anjula Pandey	-
20.	2014	Padmawati G. Gore	Assessment of genetic diversity and differential reaction of <i>Lens</i> species to pulse beetle, <i>Callosobruchus chinensis</i> (l.)	Dr. Shashi Bhalla	IARI Merit Medal
21.	2015	Sushil Kumar C.	Molecular Genetic Diversity Analysis of Brinjal (<i>Solanum melongena</i> L.) Landraces	Dr. Sunil Archak	-
22.	2015	Rakesh Kumar B.	Gm Diagnostics for Impact Analysis of GM crops on Plant Biodiversity	Dr. G.J. Randhawa	-
23.	2015	Shailendra Sholanki	Genetic Diversity Analysis of <i>Momordica subangulata</i> sub sp. <i>renigera</i> (Teasel gourd) Collections from Eastern India using Inter Simple Sequence Repeats (ISSR) markers	Dr. Ambika B. Gaikwad	-
24.	2015	Jagdish Goyanka	Micro propagation and genetic stability studies in <i>Musa balbisiana</i> Colla. A wild species of banana	Dr. Anuradha Agwawal	-



Ph.D. Students

Sl. No.	Year	Name of the Student	Thesis title	Chairperson	Award/ Distinction
1.	2007	Nidhi Verma	Studies on spatial distribution of genetic diversity among <i>Perilla frutescens</i> (L.) Britton landraces and their weedy types from Indian Himalayas.	Dr. I.S. Bisht	-
2.	2007	Shailesh Tiwari	Development and utilization of micro-satellite markers in germplasm characterization of brinjal (<i>Solanum melogena</i> L.)	Dr. B.B. Mandal	-
3.	2008	Santosh Kumar	Ultra-desiccation and population differentiation studies in drumstick (<i>Moringa oleifera</i> Lam.) provenances	Dr. I.S. Bisht	-
4.	2009	Manjunatha T.	Population genetic studies on hullless barley (<i>Hordeum vulgare</i> L.) landraces from North-western Himalayas for promoting their use and <i>in situ</i> conservation on-farm	Dr. I.S. Bisht	-
5.	2009	Sunaina Singh	Molecular profiling of Indian mango cultivars using microsatellite markers and analysis of their dispersal pattern and geographical differentiation.	Dr. K.V. Bhat	Award of Best Student of The Year
6.	2010	Avinash Pandey	Studies on farmer management of rice landrace diversity in traditional productions from high altitude areas of Indian Himalayas	Dr. I.S. Bisht	-
7.	2010	Venkatesan K.	Assessment of genetic diversity in small and medium grained aromatic rice (<i>Oryza sativa</i> L.) landraces/varieties using morphological, quality and molecular traits	Dr. K.V. Bhat	-
8.	2011	Ramya P.	Identification, characterisation and mapping of Simple Sequence Repeat Markers and yield related QTLs in sesame (<i>Sesamum indicum</i> L.)	Dr. K.V. Bhat	IARI Merit Medal
9.	2011	Saravanan, M.	Identification and characterisation of mungbean yellow mosaic virus (MYMV) resistance in <i>Vigna</i> spp.	Dr. K.V. Bhat	-
10.	2013	Logapriyan M.	Dynamics of on-farm management of rice (<i>Oryza sativa</i> L.) landrace populations in Jeypore tract and other parts of Odisha	Dr. I.S. Bisht	-
11.	2013	Gayacharan	Studies on genetic diversity and population differentiation of traditional rice landraces from different agro-ecological niche environments	Dr. I.S. Bisht	-



Sl. No.	Year	Name of the Student	Thesis title	Chairperson	Award/ Distinction
12.	2013	Santosh Kumar G.	Ultradessiccation and population differentiation studies in drumstick (<i>Moringa oleifera</i> Lam.) provenances	Dr. Veena Gupta	-
13.	2014	Rajappa J.J.	Ultra-dessiccation and population differentiation studies in drumstick (<i>Moringa oleifera</i> Lam.) provenances	Dr. K.V. Bhat	-
14.	2015	Kuldeep Tripathi	Studies on population structure of wheat landraces from North-western Himalaya and their differential susceptibility to weevil, <i>Sitophilus oryzae</i> (L.)	Dr. Shashi Bhala	-

Foreign Students Awarded Degree

Sl. No.	Year	Name of the foreign Student	Thesis title	Chairperson	Country
1.	2008	Firkirte A.	Effect of Relative Humidity and Temperature on Seed Drying and shelf life of Sorghum, Lentil and Niger.	Dr. A.K. Singh	Ethiopia

Training Courses/Winter/Summer School/Workshop Organized

Sl. No.	Year	Title of Training Programme	No. Trainees	Name(s) of the Course Director and Co-ordinators
1.	2007	Brainstorming meeting on "Establishment of a National Genomic Resource Centre"	18	Representatives from ICAR and four Bureaux viz. NBPGR, NBAGR, NBFGR and NBAIM
2.	2008	Brain storming session on plant quarantine including internal quarantine strategies in view of onslaught of diseases and insect pests	23	Director, NBPGR
3.	2008	Brain storming on plant taxonomy and biodiversity	32	Director, NBPGR
4.	2009	Workshop on allele mining and bioprospecting in genetic resources	60	Director, NBPGR
5.	2009	Symposium on plant pathology in the changing global scenario	50	Director, NBPGR
6.	2009	Winter School on Biosecurity and Biosafety	17	Director, NBPGR
7.	2009	Short Course on Crop Wild Relatives: Identification, Collecting and Utilization	17	ICAR-NBPGR, New Delhi
8.	2010	Training workshop on Establishment of National Agricultural Bioinformatics Grid	20	NAIP, ICAR & ICAR-NBPGR, New Delhi
9.	2010	International training course on <i>In Vitro</i> and Cryopreservation Techniques for Conservation of Plant Genetic Resources	16	Director, NBPGR & Bioversity International, South Asia Office/APCoAB



Sl. No.	Year	Title of Training Programme	No. Trainees	Name(s) of the Course Director and Co-ordinators
10.	2011	Training Programme on Application of bioinformatics for effective utilization of PGR	15	NAIP, ICAR
11.	2011	Training course on Diagnostic methods for detection and identification of pests of seed and other planting material and their management	14	ICAR-NBPGR
12.	2011	Training programme on Molecular Diagnostics for Risk Assessment and Management of Genetically Modified Crops	20	NAIP, ICAR
13.	2011	Training Programme on Conservation of Plant Germplasm including Registered Varieties in Genebank	18	NBPGR/PPV& FRA
14.	2011	International training course on <i>In Vitro</i> and Cryopreservation Techniques for Conservation of Plant Genetic Resources	17	Director, NBPGR & Bioversity International, South Asia Office/ APCoAB, Kew, U.K.
15.	2012	Training course on Conservation of Plant Genomic Resources	10	NAIP (ICAR)
16.	2012	Model Training Course on Role of Underutilized and Neglected PGRs on Health and Nutritional Security	19	DAC, MoA
17.	2012	Workshop-cum-Training on Computational Genome Analysis Techniques	13	NAIP (ICAR)
18.	2013	International training course on Plant Conservation Biology: Science & Practice	18	NBPGR/RBG, Kew, U.K.
19.	2013	Regional Training Workshop on GIS and Climate Analogue Tools for PGR Management and Enhanced Use		NBPGR/Bioversity International
20.	2015	Workshop on Agro- biodiversity	20	ICAR-NBPGR, New Delhi
21.	2015	Training Workshop on Strengthening Capacities of Enforcement Agencies for Plant Quarantine under UNEP-GEF Supported Phase-II Capacity Building Project on Biosafety	12	ICAR-NBPGR, New Delhi
22.	2015	Training Workshop on Strengthening Capacities of Enforcement Agency (Plant Quarantine Officials) for Tranboundary Movement of LMOs	14	ICAR-NBPGR, New Delhi
23.	2015	International Training programme on DNA- Based Genetically Modified Organism (GMO) Detection for seed Testing and Certification	15	ICAR-NBPGR, New Delhi



Training received by the Faculty Members Outside the country

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2008	Dr. R.C. Agrawal	International consultant to FAO of Uited Nations for assistance in preparation of country report for the state of PGR in Nigeria	15 August to 5 September 2008	Nigeria
2.	2009	Dr. R.K. Khetarpal	FAO TCDC Expert on Plant Pest Risk Analysis	15-21 March 2009	Phnom Penh, Cambodia
3.	2009	Dr. R.K. Tyagi	Visited the Laboratory of Tropical Crop Improvement, Katholieke Universilieke University	7-21 June 2009	Leuven, Belgium
4.	2009	Dr. Anuradha Agrawal	Visited the Laboratory of Tropical Crop Improvement, Katholieke Universilieke University	7-21 June 2009	Leuven, Belgium
5.	2010	Dr. R. Khetarpal	FAO Consultant-SPS Subject Specialist-Phytosanitary Measures	25 Nov. 2009 to 12 Jan. 2010	Cambodia
6.	2009	Dr. G.J. Randhawa	Regional Biosafety Workshop	30 Nov.- 4.12.09	Thailand
7.	2009	Dr. G.J. Randhawa	Meeting of the European Network of GMO Laboratories	15-16 Dec. 2009	Italy
8.	2009	Dr. R.C. Agrawal	International Consultant of the Food and Agriculture Organization of the United Nations for assistance in the development of database related to National Information Sharing Mechanism (NISM)	21-25 Dec. 2009	Bhutan
9.	2010	Dr. Mukesh Rana	Plant Genome Mapping Laboratory	10 August to 9 November 2010	USA
10.	2011	Dr. G.J. Randhawa	Exchange visit to Department of Biotechnology and System Biology, NIB, Ljubljana	1-30 September 2011	Slovenia
11.	2011	Dr. Rakesh Singh	CREST Fellowship sponsored by DBT at Washington University, Pullman, WA	Sept. 2011- Aug. 12	USA
12.	2011	Dr. Tapan Kumar Mondal	“Identification of nitrogen use efficiency responsive genes of corn using NGS technique” at University of Illinois	1 August to 30 September 2011	USA
13.	2012	Dr. V. Celia Chelam	“Development of Microarrays for detection of plant viruses”, Oklahoma State University, Stilwater	October 2011 to January 2012	USA
14.	2012	Dr. G.J. Randhawa	Exchange visit to Department of Biotechnology and System Biology, NIB	7 June to 6 July 2012	Slovenia
15.	2012	Dr. Sangita Yadav	‘Biomolecule’ (Horticulture), College of Biological Sciences, Genomics and Biosciences Facility, University of California, Davis, CA	6 Sept. to 4 Dec., 2012	USA



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
16.	2013	Dr. Veena Gupta	Participated in 'International Training on Genetic Resources and IPR' at SUAS, Uppsala	23 Sept. to 11 Oct., 2013	Sweden
17.	2015	Dr. S.K. Malik	Deputed to IPK Gatersleben	Sept. 19 to October 1, 2015	Germany
18.	2015	Dr. V. Celia Calam	Deputed tour Australia under the UNEP-GEF	Sept. 20 to 02 October	Australia

Faculty participation in International Conference/Seminar/Assignments

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2008	Dr. R.K. Khetarpal	Participated in 9 th ICPP-2008 and delivered a lecture on "transboundary movement of seeds under the WTO: A developing country perspective"	25-29 August, 2008	Torino, Italy
2.	2008	Dr. V. Celia Chelam	Participated in 9 th ICPP-2008 and presented a paper on seed transmitted viruses in exotic legume germplasm	25-29 August, 2008	Torino, Italy
3.	2009	Dr. Ruchira Pandey	Participated in the '1 st International Symposium on Cryopreservation in Horticultural Species'	5-8 April, 2009	Leuven, Belgium
4.	2009	Dr. Neelam Sharma	Participated in the '1 st International Symposium on Cryopreservation in Horticultural Species'	5-8 April, 2009	Leuven, Belgium
5.	2009	Dr. Anuradha Agrawal	Participated in the '1 st International Symposium on Cryopreservation in Horticultural Species'	5-8 April, 2009	Leuven, Belgium
6.	2009	Dr. Sandhya Gupta	Participated in the '1 st International Symposium on Cryopreservation in Horticultural Species'	5-8 April, 2009	Leuven, Belgium
7.	2009	Dr. Pratibha Brahma	Attended the 3 rd Session of the Governing Body of the ITPGRFA	1-5 June 2009	Tunis, Tunisia
8.	2009	Dr. G.J. Randhawa	Participated in Regional Meeting on GMO Detection	16-17 June 2009	Selangor, Malaysia
9.	2009	Dr. S.K. Sharma	International Symposium on "Plant Genetic Resources and Its Application at Chungnam National University	21-22, Sept. 2009	Korea
10.	2009	Dr. G.J. Randhawa	International Conference on Co-existence between GM and Non-GM based Agricultural Supply Chains	10-12 Nov., 2009	Australia
11.	2010	Dr. S.K. Sharma	International Conference on 'Food Security and Climate Change in Dry Areas'	1-4 Feb., 2010	Jordan
12.	2010	Dr. S.K. Sharma	Inventory of Genetic Stock Collections and Development of related management Procedures	5-6 May, 2010	Italy
13.	2010	Dr. G.J. Randhawa	European Network of GMO Laboratories plenary meeting	19-20 May, 2010	Italy



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
14.	2010	Dr. G.J. Randhawa	2 nd European Commission-Asia Regional Network Meeting on GMO Analysis in India	9-10 June, 2010	Singapore
15.	2010	Dr. S.K. Sharma	International Steering Committee Meeting on Global Information on Germplasm Accession Meeting (GIGA)	22-24 June, 2010	Italy
16.	2010	Dr. S.K. Malik	28 th International Horticultural Congress-2010	22-27 August, 2010	Portugal
17.	2010	Dr. Sandhya Gupta	28 th International Horticultural Congress-2010	22-27 August, 2010	Portugal
18.	2010	Dr. R.K. Tyagi	Expert Consultation Meeting to Revise International Genebank Standards	6 -8 Sept., 2010	Italy
19.	2010	Dr. V. Celia Chelam	International Institute of Tropical Agriculture	20-26 Sept., 2010	Nigeria
20.	2010	Dr. G.J. Randhawa	Plenary meeting of European Network of GMO Laboratories and discussion on matrix based GMO detection strategy at JRC, European Commission	9-10 Nov.2010	Italy
21.	2010	Dr. G.J. Randhawa	Third Regional Workshop for Exchange of Information on GMO Detection Practices and Techniques and their Progressive Harmonization at Regional Level	24-27 Jan., 2011	Lebanon
22.	2011	Dr. M. Dutta	Regional Workshop on the Implementation of Suwon Agrobiodiversity Framework through Strengthened Regional Collaboration”, Kuala Lumpur	4-6 Nov., 2011	Malaysia
23.	2011	Dr. R.K. Tyagi	CGIAR Genebank Managers’ Meeting at CIMMYT	6-9 Dec., 2011	Mexico
24.	2011	Dr. Kavita Gupta	Expert Consultation on Biotechnology, Biosafety and Biosecurity organized by APPARI and MOAC, Chinese Taipei at TARI, Taichung	27-28 October, 2011	Chinese Taipei
25.	2012	Dr. Rakesh Bhardwaj	Regional Symposium on Promoting Underutilized Food Systems for Better Nutrition in Asia and Pacific at Khon Kaen	31 May to 2 June, 2012	Thailand
26.	2012	Dr. Pratibha Brahma	Advanced training course “Genetic resources and intellectual property rights’ at Division of Legal Affairs, Swedish University of Agricultural Sciences, Uppsala, Stockholm & Regional Seminar at ILRI, Nairobi	7-21 May to 17-23 Nov., 2012	Sweden Kenya
27.	2012	Dr. Kavita Gupta	‘IUFRO International Diseases and Pests of Tropical Forest Trees Working Party Conference’ organized by Asia Pacific Plant? Forest Invasive Species Network, Jakarta	8-10 Oct., 2012	Indonesia



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
28.	2012	Dr. Kavita Gupta	Regional workshop on 'Use of Multi-Criteria Decision Analysis to Inform SPS Decision Making' organized by the Standards and Trade Development Facility (STDF) of WTO, Bangkok	12-13 November, 2013	Thailand,
29.	2012	Dr. R.K. Tyagi	Workshop on "Survey to promote the utilization of genetic resources in the field of agriculture, forestry and fisheries" organized by JATAFF, MAFF, Tokyo	4-6 March, 2013	Japan
30.	2012	Dr. G.J. Randhawa	International Workshop of GMO-analysis Networking and brain storming on "The present and future of DNA-based diagnosis within the broader context of the bio-based economy"	8-10 April, 2013	ISPRA, Italy
31.	2012	Dr. Kavita Gupta	Stakeholders Dialogue on Biosafety Regulations in the Asia Pacific Region	16-17 April, 2013	Bangkok, Thailand
32.	2012	Dr. G.J. Randhawa	Regional Workshop on strengthening "Regional Cooperation and National capacity Building on Biosafety in Asia"	17-20 June, 2013	Bangkok, Thailand
33.	2013	Dr. Pratibha Brahma	Participated in '3 rd High Level Round Table on the ITPGRFA' and the 'International Conference on Biodiversity, Climate Change and Food Security' at Bandung	2-4 July, 2013	Indonesia
34.	2013	Drs. Rekha Chaudhury and Sandhya Gupta	Participated in '2 nd ISHS International Symposium on Plant Cryopreservation' at Fort Collins	11-14 August, 2013	USA
35.	2013	Dr. V. Celia Chalam	Participated in '10 th International Congress of Plant Pathology' at Beijing	25-30 August, 2013	China
36.	2013	Dr. Kavita Gupta	Participated in '2 nd International Congress on Biological Invasions' at Qingdao	28 Oct. to 1 Nov., 2013	China
37.	2013	Dr. G.J. Randhawa	Participated in 'Workshop of the Network of Laboratories for the Detection and Identification of LMOs', SCBD, UNEP, Montreal	25-27 Nov., 2013	Canada
38.	2014	Dr. G.J. Randhawa	Participated as an expert in training workshop on 'Implementation of Quality Systems/ISO 17025 Accreditation' at IHCP, Ispra	20-22 May, 2014	Italy
39.	2014	Dr. Veena Gupta	Participated in 'International Conference on Enhanced Genepool Utilization-Capturing Wild Relatives and Landrace Diversity for Crop Improvement', EUCARPIA, Cambridge	16-20 June, 2014	U.K.
40.	2015	Dr. K.C. Bansal	Deputed to participate Sixth Session of the Governing Body (GB6) International Treaty on PGR for Food and Agriculture	5-9 October	Rome, Italy
41.	2014	Dr. Rekha Chaudhury	Deputed and made presentation during 'Annual Scientific Conference and SLTB 50 th Anniversary celebration	8-10 October, 2014	Royal Botanic Gardens, Kew



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
42.	2014	Dr. Sandhya Gupta	To chair a session of ISHS	17-23 August, 2014	Bisbane, Australia
43.	2014	Dr. S.K. Malik	Deputed to participate in 29 th International Horticulture Congress	17-23 August, 2014	Bisbane, Australia
44.	2014	Dr. G.J. Randhawa	Deputed to participate in International Conference on Creative Food Science for the future	25-27, August 2014	Korea
45.	2014	Dr. Sundeep Kumar	Deputed to participate in Conference “Heat and drought wheat improvement consortium”	1-5 Dec., 2014	Frankfurt, Germany

Awards/Honour Conferred on Faculty Members

Name of the Faculty Member	Name of the Award	Year for which given
Dr S.K. Malik & Rekha Chaudhury	Best Poster award during 6 th Indian Horticulture Congress-Horticulture for inclusive growth at Coimbatore	2014
Dr. A. Kandan	Best Poster Presentation Awarded in Coimbatore	2014
Dr. Sandhya Gupta	Elected as Vice Chair of Commission of PGR of (ISHS), Belgium	2014
Dr. Amit Kr. Singh	Endeavor Research fellowship-2015 awarded by Govt. of Australia	2015
Dr Anuradha Agrawal	ICAR- Punjab Rao Deshmukh Best Women Scientist Award	2014
DR T.V. Prasad	Life fellow of the Entomological Society of India	2014
Dr Yasin, J.K.	SRDA Gold Medal-2014 in the field of agriculture during International Conference held in Feb., 2015	2014
Dr. J.C. Rana	Prof. MS. Swaminathan National Award (ICAR)	2015
Dr. J.C. Rana	Dr. R.B. Ekbote Award (Agharkar Research Institute, Pune)	2015
Dr. Gurinderjit Randhawa	Agriculture Leadership Award	2015
Dr. G.J. Randhawa	Best Scientist Award (EET, CRS)	2015
Dr. Mahesh C Yadav	Bioved Fellowship Award-2016	2016
Dr. Lalit Arya	Best Research Paper Award	2015

List of Publications

SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Yadav S., S. Kumar, Z. Hussain, P. Suneja, M.A. Nizar and M. Dutta	2012	<i>Guizotia abyssinica</i> (L.f.) Cass.: An untapped oilseed resource for the future	<i>Biomass and Bioenergy</i> 43: 72-78	8.0	4
2.	Yadav S., Z. Hussain, P. Suneja, M.A. Nizar and M. Dutta	2012	Genetic divergence studies in niger (<i>Guizotia abyssinica</i>) germplasm	<i>Biomass and Bioenergy</i> 44: 64-69	8.0	3



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
3.	Archana P.R., J.B. Tomar and M. Dutta	2012	Variability in <i>Mucuna pruriens</i> L. germplasm for L Dopa, an anti parkinsonian agent	<i>Genetic Resources and Crop Evolution</i> 59: 1207-1212	7.6	8
4.	Arivalagan M., K.K. Gangopadhyay, G Kumar, T.V. Prasad, S.K. Sarkar and A. Roy	2012	Variability in mineral composition of Indian eggplant (<i>Solanum melongena</i> L.) genotypes	<i>Journal of Food Composition and Analysis</i> 26: 173-176	7.6	10
5.	Joseph J.K., S. Scariah, V.A.M. Nissar, M. Latha, S. Gopalakrishnan, S.R. Yadav and K.V. Bhat	2012	On the occurrence, distribution, taxonomy and genepool relationship of <i>Cucumis callosus</i> (Rottler) Cogn. & Harms, the wild progenitor of <i>Cucumis melo</i> from India	<i>Genetic Resources and Crop Evolution</i> DOI: 10.1007/s10722-012-9899-2	7.6	2
6.	Malik S.K., R. Chaudhury, N.S. Panwar, O.P. Dhariwal, R. Choudhary and S. Kumar	2012	Genetic resources of chironji (<i>Buchanania lanzan</i> Spreng.): a socio-economically important tree species of central Indian tribal population	<i>Genetic Resources and Crop Evolution</i> 59: 615-623	7.6	3
7.	Malik S.K., R. Choudhary, S. Kumar, O.P. Dhariwal, R.P.S. Deswal and R. Chaudhury	2012	Socio-economic and horticultural potential of khirni [<i>Manilkara hexandra</i> (Roxb.) Dubard]: A promising under-utilized fruit species of India	<i>Genetic Resources and Crop Evolution</i> DOI: 10.1007/s10722-012-9863-1 (IF: 1.5)	7.6	7
8.	Pandey A., I.S. Bisht and K.V. Bhat	2012	Population structure of rice (<i>Oryza sativa</i>) landraces from high altitude area of Indian Himalayas.	<i>Annals of Applied Biology</i> 160: 16-24	7.6	5
9.	Rana J.C., K. Pradheep, O.P. Chaurasia, S. Sood, R.M. Sharma, A. Singh and R. Negi	2012	Genetic resources of wild edible plants and their uses among tribal communities of cold arid region of India	<i>Genetic Resources and Crop Evolution</i> 59: 135-149	7.6	11
10.	Agrawal R.C., S. Archak and R.K. Tyagi	2012	An overview of biodiversity informatics with special reference to plant genetic resources	<i>Computers and Electronics in Agriculture</i> 84: 92-99	7.5	7
11.	Randhawa G.J. and M. Singh	2012	Multiplex, construct-specific and real time PCR based analytical methods for <i>Bt</i> rice with <i>cry1Ac</i> gene	<i>Journal of AOAC International</i> 95: 186-194	7.5	9
12.	Randhawa G.J., R. Sharma and M. Singh	2012	Qualitative and event-specific real-Time PCR detection methods for <i>Bt</i> Brinjal event EE-1	<i>Journal of AOAC International</i> 95(6): 1733-1739	7.5	4



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
13.	Akhtar J., H.C. Lal, Y. Kumar, P.K. Singh, J. Ghosh, Z. Khan and N.K. Gautam	2013	Multiple disease resistance in green gram and black gram germplasm and management through chemicals under rain-fed conditions	<i>Legume Res.</i> 37(1): 101-109	6.15	2
14.	Arya L., M. Verma, V.K. Gupta and A. Seetharam	2013	Use of genomic and genic SSR markers for assessing genetic diversity and population structure in Indian and African anger millet (<i>Eleusine coracana</i> (L.) Gaertn.) germplasm	<i>Pl. Syst. Evol.</i> 299: 1395-1401	7.24	9
15.	Arya L., K.N. Ramya, K. Anjali, C.D. Pandey, M. Verma and V. Gupta	2013	Genetic diversity analysis in <i>Morinda tomentosa</i> collected from Gujarat using RAPD markers	<i>Indian J. Hort.</i> 70(4): 580-583	6.13	1
16.	Dutta S.K., M. Srivastav, H. Rymbai, R. Chaudhury, A.K. Singh, A.K. Dubey and K. Lal	2013	Pollen-pistil interaction studies in mango (<i>Mangifera indica</i> L.) cultivars	<i>Scientia Hort.</i> 160: 213-221	7.37	
17.	Dutta S.K., M. Srivastav, R. Chaudhury, K. Lal, P. Patil, S.K. Singh and A.K. Singh	2013	Low temperature storage of mango (<i>Mangifera indica</i> L.) pollen	<i>Scientia Hort.</i> 161: 193-197	7.37	6
18.	Akhtar J., H.C. Lal, Y. Kumar, P.K. Singh, J. Ghosh, Z. Khan and N.K. Gautam	2013	Multiple disease resistance in green gram and black gram germplasm and management through chemicals under rain-fed conditions	<i>Legume Res.</i> 37(1): 101-109	6.15	2
19.	Archak S. and V. Kumar	2013	Portable search engine for registered crop germplasm: a new concept for enhancing access to information on plant genetic resources	<i>Pl. Genet. Resource Charact. Utiliz.</i> 11: 62-67	6.58	
20.	Arivalagan M., Bhardwaj R., K.K. Gangopadhyay, T.V. Prasad and S.K. Sarkar	2013	Mineral composition and their genetic variability analysis in eggplant (<i>Solanum melongena</i> L.) germplasm	<i>J. Appl. Bot. Food Quality</i> 86(1): 99-103	6.76	5
21.	Arya L., M. Verma, V.K. Gupta and A. Seetharam	2013	Use of genomic and genic SSR markers for assessing genetic diversity and population structure in Indian and African anger millet (<i>Eleusine coracana</i> (L.) Gaertn.) germplasm	<i>Pl. Syst. Evol.</i> 299: 1395-1401	7.24	9



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
22.	Arya L., K.N. Ramya, K. Anjali, C.D. Pandey, M. Verma and V. Gupta	2013	Genetic diversity analysis in <i>Morinda tomentosa</i> collected from Gujarat using RAPD markers	<i>Indian J. Hort.</i> 70(4): 580-583	6.13	1
23.	Dutta S.K., M. Srivastav, H. Rymbai, R. Chaudhury, A.K. Singh, A.K. Dubey and K. Lal	2013	Pollen-pistil interaction studies in mango (<i>Mangifera indica</i> L.) cultivars	<i>Scientia Hort.</i> 160: 213-221	7.37	7
24.	Dutta S.K., M. Srivastav, R. Chaudhury, K. Lal, P. Patil, S.K. Singh and A.K. Singh	2013	Low temperature storage of mango (<i>Mangifera indica</i> L.) pollen	<i>Scientia Hort.</i> 161: 193-197	7.37	6
25.	Gaikwad AB, S Archak and S Saxena	2013	Technology development for identification of citrus (<i>Citrus</i> spp) rootstocks based on sequence tagged microsatellite marker	<i>Indian J. Agric. Sci.</i> 83(10): 1110-1112	6.14	-
26.	Gautam N.K., M. Singh, Z. Khan, A. Roy, J. Akhtar and B. Ram	2013	Assessment of lentil germplasm with respect to agronomic performance and major biotic stress	<i>Legume Res.</i> 36(3): 214-219	6.15	1
27.	Gunjeet Kumar, N. Sivaraj, V. Kamala, K.K. Gangopadhyay, Sushil Pandey, Shailesh K. Tiwari, N.S. Panwar, B.L. Meena and M. Dutta	2013	Diversity analysis in eggplant germplasm in India using DIVA-GIS approach	<i>Indian J. Hort.</i> 70(4): 519-525	6.13	2
28.	Jaime A., Teixeira Da Silva, Tikam Singh Rana, Diganta Narzary, Nidhi Verma, Deodas Tarachand Meshram, Shirish A. Ranade	2013	Pomegranate biology and biotechnology: A review	<i>Scientia Hort.</i> 160: 85-107	7.37	44
29.	Joseph John K., M. Latha, Sheen Scariah, V.A. Muhammed Nissar, N.K. Dwivedi and K.V. Bhat	2013	Okra for aesthetic beauty	<i>Indian J. Horti.</i> 58: 1-2	6.13	3
30.	Joseph John K., R. Khedasana, V.A. Muhammed Nissar, Sheen Scariah, Srikanth Sutar, S.R. Rao, M. Abdul Nizar, M. Latha, S.R. Yadav and K.V. Bhat	2013	On the occurrence, distribution and taxonomy of <i>Cucumis setosus</i> Cogn., an endemic wild edible vegetable from India	<i>Genet. Resour. Crop Evol.</i> 61: 345-355	7.46	



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31.	Joseph John K., Sheen Scariah, V.A. Muhammed Nissar, K.V. Bhat and S.R. Yadav	2013	<i>Abelmoschus enbeepeegearensis</i> sp.nov. (Malvaceae), an endemic species of okra from western ghats of India	<i>Nordic J. Bot.</i> 31: 170-175	7.05	6
32.	Khan M.R., J. Akhtar, V.S. Pundhir and A. Kumar	2013	Immunoprobes development for detection of <i>Ralstonia solanacearum</i> in potato (<i>Solanum tuberosum</i>) and tomato (<i>Solanum lycopersicum</i>)	<i>Indian J. Agric. Sci.</i> 83(12): 1351-1356	6.14	1
33.	Krishna Prakash, Anjula Pandey, J. Radhamani and I.S. Bisht	2013	Morphological variability in cultivated and wild species of <i>Luffa</i> (Cucurbitaceae) from India	<i>Genet. Resour. Crop Evol.</i> 60: 2319-2329	7.46	10
34.	Krishna Prakash, J. Radhamani, Anjula Pandey and Sangeeta Yadav	2013	A preliminary investigation of cultivated and wild species of <i>Luffa</i> for oil and protein contents	<i>Plant Genet. Resour. Charact. Utiliz.</i> (doi:10.1017/S147926211300035X; NAIB 2013)	6.58	2
35.	Logapriyan M., I.S. Bisht, K.V. Bhat and D. Pani	2013	Genetic diversity and adaptive variations under static and dynamic management: a case of rice landraces from parts of Odisha in India	<i>Plant Genet. Resour. Charact. Utiliz.</i> (doi:10.1017/S1479262113000440)	6.58	1
36.	Malik S.K., S. Kumar, I.P. Singh, O.P. Dhariwal and R. Chaudhury	2013	Socio-economic importance, domestication trends and <i>in situ</i> conservation of wild <i>Citrus</i> spp. of northeast India	<i>Genet. Resour. Crop Evol.</i> 60: 1655-1671	7.46	7
37.	Malik S.K., S. Kumar, R. Choudhary, P.R. Kole, R. Chaudhury and K.V. Bhat	2013	Assessment of genetic diversity in khirni [<i>Manilkara hexandra</i> (Roxb.) Dubard]: An important underutilized fruit species of India using random amplified polymorphic DNA markers	<i>Indian J. Hort.</i> 70: 18-25	6.13	2
38.	Malik S.K., Susheel Kumar, I.P. Singh, O.P. Dhariwal and Rekha Chaudhury	2013	Socio-economic importance, domestication trends and <i>in situ</i> conservation of wild <i>Citrus</i> species of Northeast India	<i>Genet. Resour. Crop Evol.</i> 60(5): 1655-1671	7.46	7



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39.	Merita K., M. Anju, M. Latha, K. Joseph John, S.R. Yadav, K.V. Bhat and S.R. Rao	2013	First chromosome count for the species endemic to low-elevation western ghats of India including Kerala, Tamil Nadu and Karnataka states: <i>Vigna pilosa</i> (J.G. Klein ex Willd.) Baker, <i>Vigna sahyadriana</i> Aitawade & al.; <i>Abelmoschus crinitus</i> Wall.; <i>Abelmoschus enbeepeegearensis</i> K.J. John & al.	<i>TAXON Marhold (ed.) IAPT/IOPB chromosome data 15 Taxon</i> 62 (5): E1-E34 (E20-21)	9.30	
40.	Mohar Singh, Ishwari Singh Bisht, Manoranjan Dutta, Krishna Kumar, Ashwani Kumar Basandrai, Lavinder Kaur, Asmita Sirari, Z. Khan, Aqeel Rizvi, Ashutosh Sarker and Kailash Chander Bansal	2013	Characterization and evaluation of wild annual Cicer species for agromorphological traits and major biotic stresses under Northwestern Indian conditions	<i>Crop Sci.</i> 54: 229-239	7.58	7
41.	Mohar Singh, Mukesh Rana, I.S. Bisht, Krishna Kumar, M. Dutta, Ashutosh Sarker and K.C. Bansal	2013	Broadening the genetic base of lentil cultivars through introgression of wild <i>Lens taxa</i>	<i>Plant Breeding</i> 132: 667-675	7.60	8
42.	Mondal T.K., S.A. Ganie, M.K. Rana and T.R. Sharma	2013	Genome-wide analysis of zinc transporter genes of maize (<i>Zea mays</i>)	<i>Plant Mol. Biology Reporter</i> DOI: 10.1007/s11105-013-0664-2	7.66	3
43.	Mondal T.K., S.A. Ganie, R.K. Niraj and M.K. Rana	2013	Cloning and in silico analysis of a gene encoding a putative β -carbonic anhydrase from cowpea (<i>Vigna unguiculata</i> L. Walp)	<i>J. Plant Interaction</i> (doi: 10.1080/17429145.2013.861027)	6.0	2
44.	Nivedita Singh, Debjani Roy Choudhury, Amit Kumar Singh, Sundeep Kumar, Kalyani Srinivasan, R.K. Tyagi, N.K. Singh and Rakesh Singh	2013	Comparison of SSR and SNP markers in estimation of genetic diversity and population structure of Indian rice varieties	<i>Plos One</i> 8(12): e84136	9.23	30
45.	Pandey S., C. Devi, A. Kak, Y.J. Khan and V. Gupta	2013	Breaking seed dormancy in sweet gourd (<i>Momordica cochinchinensis</i>)	<i>Seed Sci. Technol.</i> 41(1): 133-136	6.48	



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46.	Papiya Mukherjee and K.V. Bhat	2013	Phylogenetic relationship of wild and cultivated yam species (<i>Dioscorea</i> spp.) of India inferred from PCR-RFLP analysis of two cpDNA loci	<i>Plant Syst. Evol.</i> (DOI: 10.1007/s00606-013-0847-1)	7.24	1
47.	Patil P., S.K. Malik, K.S. Negi, J. John, S. Yadav, G. Chaudhari and K.V. Bhat	2013	Pollen germination characteristics, pollen-pistil interaction and reproductive behaviour in inter-specific crosses among <i>Abelmoschus esculentus</i> Moench and its wild relatives	<i>Grana</i> 52(1): 1-14	7.06	3
48.	Prakash K., A. Pandey, J. Radhamani and I.S. Bisht	2013	Morphological variability in cultivated and wild species of <i>Luffa</i> from India. Genet. Resour	<i>Crop Evol.</i> 60: 2319-2329	7.46	10
49.	Prakash K, J Radhamani, A Pandey and S Yadav	2013	A preliminary investigation of cultivated and wild species of <i>Luffa</i> for oil and protein contents	<i>Plant Genet. Resour. Charact.Util.</i> DOI:10.1017/S147926211300035X	6.58	2
50.	Raina P. Archana, Ashok Kumar and M. Dutta	2013	Chemical characterization of aroma compounds in essential oil isolated from holy basil (<i>Ocimum tenuiflorum</i> L.) grown in India	<i>Genet. Resour Crop Evol.</i> 60(5): 1727-1735	7.46	10
51.	Raina P. Archana, S.K. Verma and Z. Abraham	2013	Volatile constituents of essential oils isolated from <i>Alpinia galanga</i> Willd. (L.) and <i>A. officinarum</i> Hance rhizomes from north east India	<i>J. Ess. Oil Res.</i> 26(1): 24-28	6.79	8
52.	Raina P. Archana, Veena Gupta, N. Sivaraj and M. Dutta	2013	<i>Andrographis paniculata</i> (Burm. f.) Wall. ex Nees (kalmegh), a traditional hepatoprotective drug from India	<i>Genet. Resour. Crop Evol.</i> 60(3): 1181-1189	7.46	38
53.	Rajkumari K., K. Joseph John, S.R. Yadav, K.V. Bhat and S.R.. Rao	2013	Comparative male meiotic studies in some Indian representative species of <i>Cucumis</i> L. (Cucurbitaceae)	<i>Caryologia</i> DOI: 10.1080/00087114.2013.854613	6.74	2
54.	Roy Anirban, Poreddy Spoorthi, Manas Kumar Bag, V. Prasad, Ranbir Singh, M. Dutta and Bikash Mandal	2013	A leaf curl disease in germplasm of rapeseed-mustard in India: Molecular evidence of a weed-infecting Begomovirus-Betasatellite complex emerging in a new crop	<i>J. Phytopathology</i> 161: 522-535	6.82	3



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55.	Singh A.K., M.K. Rana, S. Singh, S. Kumar and R. Kumar	2013	CAAT box derived polymorphism (CBDP): a novel promoter targeted molecular marker for plants	<i>J. Plant Biochem. Biotech.</i> DOI: 10.1007/s13562-013-0199-5	7.09	9
56.	Singh N., Dr. Choudhury, A.K. Singh, S. Kumar, K. Srinivasan, R.K. Tyagi, N.K. Singh, R. Singh	2013	Comparison of SSR and SNP markers in estimation of genetic diversity and population structure of Indian rice varieties	<i>Plos One</i> 8: 1-14	9.23	30
57.	Srinivasan K., J. Radhamani, T. Kalkande and R.K. Tyagi	2013	Removal of tenacious glumes enhances the seed germination and seedling vigour in eight <i>Aegilops</i> species for efficient conservation in genebank	<i>Indian J. Agri. Sci.</i> 83: 437-440	6.14	-
58.	Sundeeep Kumar, Purna Kumari, Uttam Kumar, Monendra Grover, Amit Kumar Singh, Rakesh Singh, R.S. Sengar	2013	Molecular approaches for designing heat tolerant wheat	<i>J. Plant Biochem. Biotechnol.</i> 22(4): 359-371	7.09	11
59.	Sutar S., P. Patil, M Aitawade, J. John, S.K. Malik, S.R. Rao, SR Yadav and K.V. Bhat	2013	A new species of <i>Abelmoschus</i> Medik. (Malvaceae) from Chhattisgarh, India	<i>Genet. Resour. Crop Evol.</i> 60: 1953-1958	7.46	8
60.	Tripathi Kuldeep, Shashi Bhalla, Kalyani Srinivasan T.V. Prasad, and R.D. Gautam	2013	Physical and biochemical basis of resistance in cowpea [<i>Vigna unguiculata</i> (L.) Walp.] accessions to pulse beetle, <i>Callosobruchus chinensis</i> (L.)	<i>Legume Res.</i> 36(5): 457-46	6.15	2
61.	Pandey A., D.P. Semwal, D.C. Bhandari and S.K. Sharma	2014	Digitization of collecting mission data to enhance utilization of maize genetic resources in India	<i>Ind. J. Agric. Sci.</i> 84: 517-522	6	-
62.	Rana, J.C., Sood, S., Gupta, A., Negi, K.S., and Lal, H.	2014	Rice bean variety VRB-3 (Him-Shakti). I.	<i>J. Genet. & Pl. Breed</i> 74(2): 268	6.19	-
63.	Choudhary R., S.K. Malik, R. Chaudhury and K.C. Sharma	2014	Long-term conservation of dormant buds of <i>Prunus dulcis</i> (Miller) D.A. Webb. using three different new cryotechniques	<i>Romanian Biotechnological Letters</i> 19: 9583-9592	6.35	1



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64.	Raina P. Archana and K.S. Negi	2014	Chemical diversity among different accessions of <i>Origanum vulgare</i> L. ssp. <i>vulgare</i> collected from Central Himalayan region of Uttarakhand, India	<i>J. Ess. Oil Res.</i> 26(6): 420-426	6.82	1
65.	Gangopadhyay K.K., R. Pragya, M.K. Bag, R. Srivastava, A. Roy, R. Bhardwaj, T.V. Prasad, C.D. Pandey and M Dutta	2014	Vegetable genotypes for future	<i>Indian Horticulture</i> 59: 3-4	7.15	77
66.	Pandey A., K. Pradheep and R. Gupta	2014	Chinese chives (<i>Allium tuberosum</i> Rottler ex Sprengel): a home garden species or a commercial crop in India	<i>Genet. Resour. Crop Evol.</i> 61: 1433-1440	7.48	1
67.	Randhawa G.J., D. Morisset, M Singh and J. Žel	2014	GMO matrix: A cost-effective approach for screening for unauthorized genetically modified events in India	<i>Food Control</i> 38: 124-129	8.82	19
68.	Yasin J.K., Bhat K.V., Nizar M.A., S. Rajkumar, M. Verma, Radhamani J., N. Verma and S. Pandey	2014	Alternate antioxidant defence system in moisture stress responsive accessions of horse gram	<i>Legume Research</i> 37(2): 145-154	6.14	-
69.	Yasin J.K., K.V. Bhat, M.A. Nizar, S. Rajkumar, M. Verma, N. Verma, S. Pandey, S.K. Tewari and J. Radhamani	2014	Existence of alternate defense mechanisms for combating moisture stress in horse gram [<i>Macrotyloma uniflorum</i> (Lam.) Verdc.]	<i>Legume Res.</i> 37(2): 139-148	6.14	-
70.	Amit Kumar Singh, M. K. Rana, Sonika Singh, Sundeep Kumar, Rajesh Kumar and Rakesh Singh	2014	CAAT box- derived polymorphism (CBDP): a novel promoter -targeted molecular marker for plants	<i>J. Plant Biochem. Biotechnol.</i> 23(2): 175-183	6.81	9
71.	Archak S., Chandra R., Gaikwad A.B., Jamla M., Parimalan R., Gautam D. and Jadhav V.T.	2014	Molecular and morphometric analyses reveal discrete grouping of pomegranate (<i>Punica granatum</i>) genebank accessions away from cultivars	<i>Indian Journal of Agricultural Sciences</i> 84(8): 971-976	6	-



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72.	Dikshit N., N. Sivaraj and A.B. Das	2014	Genotypic variations for agro-morphological and physico-chemical traits in ethnic aromatic rice landraces of Odisha	<i>Indian J. Agric. Sci.</i> 84(8): 977-982	6	-
73.	Gaikwad A.B., Saxena S., Behera T.K. and Meshram S.U.	2014	Molecular marker to identify gynocious lines in bitter gourd	<i>Indian Journal of Horticulture</i> 71(1): 142-144	6.11	-
74.	Akhtar J. Lal H.C. Kumar Y. Singh P.K. Ghosh J. Khan Z. and Gautam N.K.	2014	Multiple disease resistance in greengram and blackgram germplasm and management through chemicals under rain-fed conditions	<i>Legume Research</i> 37(1): 101-109	6.14	2
75.	Zakaullah Khan, Ashok Kumar, M. Mahamood, Bharat Gawade and N. K. Gautam	2014	The root knot nematode, <i>Meloidogyne incognita</i> on <i>Psoralea corylifolia</i> in India	<i>Nematropica</i> 44: 81-84	6.3	-
76.	Pradheep K., A. Pandey, KC Bhatt and ER Nayar	2014	<i>Herpetospermum operculatum</i> (Schizopeponeae, Cucurbitaceae): a new species from India, Myanmar and China	<i>Blumea</i> 59: 1-5	6.38	1
77.	Kandan, A. Akhtar, J. Singh B. Dixit D. Chand D. Roy A. Rajkumar S. and Agarwal P.C.	2014	Molecular diversity of <i>Bipolaris oryzae</i> infecting <i>Oryza sativa</i> in India	<i>Phytoparasitica</i> DOI: 10.1007/s12600-014-0430-5	6.68	2
78.	Mohar Singh, Ishwari Singh Bisht, Manoranjan Dutta, Sandeep Kumar and Kailash Chander Bansal	2014	Genetic studies on morpho-phenological traits in lentil wide crosses	<i>J. Genet.</i> 93: 561-566	7.01	1
79.	Pandey S., R.K. Tyagi, C. Devi, N. Singh and S.K. Yadav	2014	Conservation and exchange of genetic resources in major vegetable crops	<i>Indian Journal of Horticulture</i> 71(2): 281-283	7.5	-
80.	Bag M.K., N.K. Gautam, T.V. Prasad, S. Pandey, M. Dutta and A. Roy	2014	Evaluation of an Indian collection of black gram germplasm and identification of resistance sources to mungbean yellow mosaic virus	<i>Crop Pro.</i> 61: 92-101	7.54	3
81.	Mohar Singh, I.S. Bisht, S. Kumar, M. Dutta, K.C. Bansal, A. Sarker, A. Amri, S. Kumar and S.K. Datta	2014	Global wild annual Lens collection: a potential resource for lentil genetic base broadening and yield enhancement	<i>PLoS ONE</i> 9(9): e107781 DOI: 10.1371/journal.pone.0107781	9.53	2



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82.	Gunjeet Kumar, Kanwar Pal Singh, K.V. Prasad, M.K. Rana, Namita and Sapna Panwar	2014	Genetic diversity analysis of chrysanthemum (<i>Chrysanthemum grandiflorum</i>) cultivars using RAPD markers	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1323-8	6	-
83.	J. Kumar, K.C. Bansal, R.K. Tyagi, V.K. Vikas, Sundeep Kumar, P. Jayaprakash, G.P. Singh, Rajbir Yadav and M. Sivasamy	2014	Adult plant resistance to leaf rust (<i>Puccinia triticina</i>) in some Indian bread wheat (<i>Triticum aestivum</i>) accessions bearing leaf tip necrosis	<i>Indian Journal of Agricultural Sciences</i> 84(1): 112-118	6	-
84.	Kumar P.P., Janakiram T., Bhat K.V., Jain R., Prasad K.V., Prabhu K.V.	2014	Molecular characterization and cultivar identification in <i>Bougainvillea</i> spp. using SSR markers	<i>Indian Journal of Agricultural Sciences</i> 84: 1024-30	6	-
85.	Kundu M., A. Dubey, M. Srivastav, S.K. Malik and B. Singh	2014	Effect of gamma irradiation and cryopreservation on pollen stability, in vitro germination, and fruit set in <i>Citrus</i>	<i>Turk. J. Biol.</i> 38: 1-9	6	-
86.	Raina H., G. Soni, N. Jauhari, N. Sharma and N. Bharadvaja	2014	Phytochemical importance of medicinal plants as potential sources of anticancer agents	<i>Turk. J. Bot.</i> 38: 1027-1035	6	6
87.	Sharma R.M., K. Kour, B. Singh, N. Kotwal, J.C. Rana, N. Sharma, J.D. Bandral, M. Jamwal	2014	Exploiting genetic diversity of walnut (<i>Juglans regia</i>) from Jammu region of India for export related traits	<i>Indian J. Agric. Sciences</i> 84(9): 1040-44	6	-
88.	Arivalagan M., Rakesh Bhardwaj, Pragya Ranjan, T.V. Prasad, K.K. Gangopadhyay	2014	Variability in minerals composition of cucumber (<i>Cucumis sativus</i> L.) genotypes collected from Northern parts of India	<i>Ind. J. Hort.</i> 71(4): 505-510	6.11	39
89.	Kumar G., N. Sivaraj, V. Kamala, K.K. Gangopadhyay, Sushil Pandey, N.S. Panwar, O.P. Dhariwal, B.L. Meena, S.K. Tiwari, and M. Dutta	2014	Diversity Analysis in Eggplant Germplasm in India Using DIVA-GIS Approach	<i>Indian J. Hort.</i> 70(4): 519-525	6.11	2
90.	Arivalagan M., T.V. Prasad, Harinder Singh and Ashok Kumar	2014	Variability in biochemical and mineral composition of <i>Mucuna pruriens</i> (L.) DC. – An underutilized tropical legume	<i>Legume Res.</i> 37(5): 483-491	6.14	-



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91.	Ratna Kumari, Kailash Agrawal, Bhat K.V.	2014	Analysis of genetic diversity and its stratification in pigeonpea germplasm using BES-derived microsatellite markers	<i>Indian Journal of Biotechnology</i> 13: 473-485	6.51	1
92.	Shrawat N., Bhat K.V., Kaga A., Toomoka N., Yadav M., Jaiwal P.K.	2014	Development of new gene-specific markers associated with salt tolerance for mungbean (<i>Vigna radiata</i> L. Wilczek)	<i>Spanish Journal of Agricultural Research</i> 12: 732-741	6.51	4
93.	Pravin Patil, SK Malik, KS Negi, K Joseph John, SR Yadav, G Chaudhari and KV Bhat	2014	Pollen germination characteristics, pollen–pistil interaction and reproductive behaviour in interspecific crosses among <i>Abelmoschus esculentus</i> Moench and its wild relatives	<i>Grana</i> 52(1): 1-14	6.94	3
94.	Sharma Rakesh, Pritam Chand Sharma, Jai Chand Rana, Vinod Kumar Joshi.	2014	Improving the Olive Oil Yield and Quality through Enzyme Assisted Mechanical Extraction, Antioxidants and Packaging	<i>Journal of Food Processing and Preservation</i> DOI: 10.1111/jfpp.12216	6.94	5
95.	Logapriyan M., Bisht I.S., Bhat K.V. and Pani D.	2013	Genetic diversity and adaptive variations under static and dynamic management: a case of rice landraces from parts of Odisha in India	<i>Plant Genetic Resources: Characterization and Utilization</i> ; 1-8, DOI:10.1017/S1479262113000440	7.06	1
96.	Bhawna M., Z. Abdin, L. Arya, D. Saha, A.K. Sureja, C. Pandey, M. Verma	2014	Population structure and genetic diversity in bottle gourd (<i>Lagenaria siceraria</i> (Mol.) Standl.) germplasm from India assessed by ISSR markers	<i>Plant Systematics and Evolution</i> . 300(4): 767-773	7.15	1
97.	Rana Pawan Kumar, Puneet Kumar, Vijay Kumar Singhal, Jai Chand Rana	2014	Uses of local plant biodiversity among the tribal communities of Pangi Valley of district Chamba in cold desert Himalaya, India	<i>The Scientific World Journal</i> , dx.doi.org/10.1155 /2014/753289	7.22	4
98.	Khetan Shevkani, Narpinder Singh, Jai Chand Rana and Amritpal Kaur.	2014	Relationship between physicochemical and functional properties of amaranth (<i>Amaranthus hypochondriacus</i>) protein isolates	<i>International Journal of Food Science & Technology</i> 49(2): 541–550	7.35	18



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99.	Chhabra R., G.J. Randhawa, R.K. Bhoge and M. Singh	2014	Qualitative and quantitative PCR-based detection methods for authorized genetically modified cotton events in India	<i>Journal of AOAC International</i> 97(5): 1299-1309	7.39	6
100.	Sutar S., Pravin Patil, Makarand Aitawade, K. Joseph John, Surendra Malik, S. Rao, S.R. Yadav and K.V. Bhat	2013	A new species of <i>Abelmoschus</i> Medik. (Malvaceae) from Chhattisgarh, India	<i>Genet. Resour. Crop Evol.</i> DOI: 10.1007/s10722-013-0023	7.48	8
101.	V. K. Vikas, M. Sivasamy, J. Kumar, P. Jayaprakash, Sundeep Kumar, R. Parimalan, Arun Kumar, Kalyani Srinivasan, J. Radhamani, Sherry Rachel Jacob, Mamata Yadav, Jyotisna Rani, I.S. Bisht, D.C. Bhandari, Sunil Archak, M. Dutta, R.K. Tyagi and K.C. Bansal	2014	Stem and leaf rust resistance in wild relatives of wheat with D genome (<i>Aegilops</i> spp.)	<i>Genet. Resour. Crop Evol.</i> DOI: 10.1007/s10722-014-0085-6 61:816-874	7.48	3
102.	Sharma A.D., S.V.S. Rathore, K. Srinivasan and R.K. Tyagi	2014	Comparison of various seed priming methods for seed germination, seedling vigour and fruit yield in okra (<i>Abelmoschus esculentus</i> L. Moench)	<i>Scientia Horticulturae</i> 165: 75-81	7.5	13
103.	Bhawna & M.Z. Abdin, L. Arya and M. Verma	2014	Transferability of Cucumber Microsatellite Markers Used for Phylogenetic Analysis and Population Structure Study in Bottle Gourd (<i>Lagenaria siceraria</i> (Mol.) Standl.)	<i>Appl Biochem Biotechnol.</i> DOI: 10.1007/s12010-014-1395-z	7.69	8
104.	Saxena S., Singh A., Archak S., Behera T.K., John J.K., Meshram S.U. and Gaikwad A.B.	2014	Development of novel simple sequence repeat markers in bitter gourd (<i>Momordica charantia</i> L.) through enriched genomic libraries and their utilization in analysis of genetic diversity and cross-species transferability	<i>Applied Biochemistry and Biotechnology</i> DOI: 10.1007/s12010-014-1249-8	7.69	4
105.	Khetan Shevkani, Narpinder Singh, Amritpal Kaur and Jai Chand Rana	2014	Physicochemical, Pasting, and Functional Properties of Amaranth Seed Flours: Effects of Lipids Removal	<i>Journal of Food Science</i> 79(7) DOI: 10.1111/1750-3841.12493	7.79	12



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
106.	Mondal TK, Ganie SA	2014	Identification and characterization of salt responsive miRNA-SSR markers in rice (<i>Oryza sativa</i>)	<i>Gene</i> . 535(2): 204-209	8.08	23
107.	Tyagi M. Chandra S. Akhtar J. and Chand D.	2014	Modern spectroscopic technique in the characterization of biosensitive macrocyclic Schiff base ligand and its complexes: Inhibitory activity against plant pathogenic fungi	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> 118: 1056-1061	8.13	13
108.	Ganie S.A. and Mondal T.K.	2014	Genome-wide development of novel miRNA-based microsatellite markers of rice (<i>Oryza sativa</i>) for genotyping applications	<i>Molecular Breeding</i> DOI: 10.1007/s11032-015-0207-7	8.28	8
109.	Bhat K.V. and S.R. Rao	2014	Comparative analysis of heterochromatin distribution in wild and cultivated <i>Abelmoschus</i> species based on fluorescent staining methods	<i>Protaplasma</i> DOI: 10.1007/s00709-014-0712-2	9.17	2
110.	Choudhury D.R., N. Singh, A.K. Singh, S. Kumar, K. Srinivasan, R.K. Tyagi, A. Ahmad, N.K. Singh and R. Singh	2014	Analysis of genetic diversity and population structure of rice germplasm from North-Eastern region of India and development of a core germplasm set	<i>PLoS ONE</i> 9(11): e113094. DOI: 10.1371/journal.pone.0113094	9.53	10
111.	Maneesha S. Saxena, Deepak Bajaj, Alice Kujur, Saurabh Badoni, Vinod Kumar, Mohar Singh, Kailash C. Bansal, Akhilesh K. Tyagi and Swarup K. Parida	2014	Natural Allelic diversity, genetic structure and linkage disequilibrium pattern in wild chickpea	<i>PLoS ONE</i> 9(9): e107484. DOI:10.1371/journal.pone.0107484	9.53	17
112.	Maneesha S. Saxena, Deepak Bajaj, Alice Kujur, Saurabh Badoni, Vinod Kumar, Mohar Singh, Kailash C. Bansal, Akhilesh K. Tyagi and Swarup K. Parida	2014	An integrated genomic approach for rapid delineation of candidate genes regulating agro-morphological traits in chickpea	<i>DNA Research</i> DOI: 10.1093/dnares/dsu031	10.98	28



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
113.	Yadav V.K., S.K. Sharma, V.K. Rao, Rashmi Yadav, A. Radhakrishna	2014	Assessment of morphological and biochemical diversity in Seabuckthorn (<i>Hippophae salicifolia</i> D. Don.) populations of Indian Central Himalaya	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i> DOI 10.1007/s40011-014-0449-x	15.81	-
114.	Bairwa R.K., M. Singh, R.K. Bhoge, Chitra Devi & G.J. Randhawa	2016	Monitoring adventitious presence of transgenes in ex situ okra (<i>Abelmoschus esculentus</i>) collections conserved in genebank: a case study	<i>Genetic Resources and Crop Evolution</i> 63: 175-184	7.46	-
115.	Gayacharan, I.S. Bisht, A. Pandey, M.C.Yadav and J.C. Rana	2015	Population structure of upland red rice (<i>Oryza sativa</i> L.) landraces from North-western Indian Himalayas	<i>Indian Journal of Biotechnology</i> 14: 42-48	6.39	-
116.	Malav P., A. Pandey, K.C. Bhatt, S. Gopala Krishnan and I.S. Bisht	2015	Morphological variability in holy basil (<i>Ocimum tenuiflorum</i> L.) from India	<i>Genet. Resour. and Crop Evol.</i> 62: 1245-1256	7.46	2
117.	Choudhary R., R. Chaudhury and S.K. Malik	2015	Development of an efficient regeneration and rapid clonal multiplication protocol for three different <i>Morus</i> species using dormant buds as explants	<i>J. Horic. Sci. Biotech.</i> 90: 245-253	6.54	-
118.	Das Shouvik, M. Singh, R. Srivastava, D. Bajaj, Maneesha S. Saxena, J.C. Rana, K.C. Bansal, A.K. Tyagi and S.K. Parida	2015	mQTL-seq delineates functionally relevant candidate gene harboring a major QTL regulating pod number in chickpea	<i>DNA Research</i> DOI: 10.1093/dnares/dsv036	11.48	5
119.	Ganie S.A., N. Dey and T.K. Mondal	2015	Differential promoter methylation of salt tolerant and susceptible rice genotypes under salinity stress	<i>Funct. Integrat. Genomics</i> 9: 1-11	8.48	-
120.	Gayacharan, IS Bisht, A Pandey, M.C. Yadav and J.C. Rana	2015	Population structure of upland red rice (<i>Oryza sativa</i> L.) landraces from North-western Indian Himalayas	<i>Indian J. Biotechnol.</i> 14: 42-48	6.39	-
121.	Gore P.G., M.K. Rana, K. Tripathi, M. Singh, I.S. Bisht and S. Bhalla	2015	Genetic diversity in wild <i>Lens</i> spp. using inter simple sequence repeat (ISSR marker)	<i>Legume Res.</i> 38: 575-578	6.15	-
122.	Gupta Sandhya and J.C. Rana	2015	Cryopreservation of apple (<i>Malus</i> spp.) winter buds	<i>Indian J. Hort.</i> 72: 553-555	6.13	26



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
123.	Jacob S.R., V. Tyagi, A. Agrawal, S.K. Chakrabarty and R.K. Tyagi	2015	Indian plant germplasm on the global platter: An analysis	<i>PLoS ONE</i> DOI: 10.1371/journal.pone.0126634, 1-15		3
124.	Joseph John K., Y.C. Roy, M.V. Krishnaraj, V.A.M. Nissar, M. Latha and K.V. Bhat	2015	Ecological and morphological characterization of two rare and endemic wild edible <i>Cucumis</i> species (Cucurbitaceae) of Western Ghats of India	<i>Genet. Resour. Crop Evol.</i> DOI: 10.1007/s10722-015-0340-5: 01-10	7.46	-
125.	Kak A., S. Agarwal, C. Pandey and V. Gupta	2015	Responses to seed dormancy breaking treatments in wild Hibiscus species	<i>Vegetos.</i> 28: 143-147	6.00	-
126.	Kole P.R., K.V. Bhat, R. Chaudhury and S.K. Malik	2015	Genetic variation among <i>Jatropha curcas</i> L. using dominant molecular marker collected from different agro-climatic regions of India	<i>Indian J. Genet. Plant Breed</i> 75: 267-270	6.19	1
127.	Kumar A., J. Kumari, J.C. Rana, D.P. Chaudhary, R. Kumar, H. Singh, T.P. Singh and M. Dutta	2015	Diversity among maize landraces in north west Himalayan region of India assessed by agro-morphological and quality traits	<i>Ind. J. Genet. Pl. Breed</i> 75: 188-195	6.19	1
128.	Kumari Jyoti, B.S. Phogat, T.P. Singh, S. Kumar, V. Kaur, S. Kumar, Ruchi Bansal and Y.S. Rathi	2015	Correlated response of component traits towards grain yield in cultivated wheat germplasm under late sown condition	<i>J. Agroecology Nat. Resour. Manag.</i> 2: 110-112	9.81	-
129.	Kuttubuddin M., A.B. Debnath, S.A. Ganie and T.K. Mondal	2015	Identification and analysis of novel salt responsive candidate gene based SSRs (cgSSRs) from rice (<i>Oryza sativa</i> L.)	<i>BMC Plant Biol.</i> 15: 122	9.81	8
130.	Malik S.K., R. Chaudhury and I.P. Singh	2015	Management of citrus genetic resources in India: approaches, applications and achievements	<i>Acta Hort.</i> 1101: 39-46	-	1
131.	Malav P.K., R. Singh, A. Pandey and K.C. Bhatt	2015	Molecular diversity study within holy basil species (<i>Ocimum tenuiflorum</i> L.) using ISSR and RAPD markers	<i>Indian J. Hort.</i> 72: 528-534	6.13	-



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
132.	Mhatre P.H., Pankaj, S.K. Malik, S. Kaur, A.K. Singh, S. Mohan and A. Sirohi	2015	Histopathological changes and evaluation of resistance in Asian rice (<i>Oryza sativa</i>) against root knot nematode, <i>Meloidogyne graminicola</i> Golden & Birch	<i>Indian J. Genet. Plant Breed</i> 75: 41-48	6.19	-
133.	Parimalan R., R. Bhoge, G.J. Randhawa and C.D. Pandey	2015	Assessment of transgene flow in eggplant germplasm conserved at national genebank	<i>Indian J. Biotechnol.</i> 14: 357-363	6.39	1
134.	Patil P., S.K. Malik, S. Sutar, S. Yadav, J. John and K.V. Bhat	2015	Taxonomic importance of seed macro-and micro-morphology in <i>Abelmoschus</i> (Malvaceae) Nordic	<i>J. Bot.</i> 33: 696-707	7.05	1
135.	Pradheep K., D.R. Pani and K.C. Bhatt	2015	Taxonomic notes on the <i>Trichosanthes cucumerina</i> group (Cucurbitaceae) from India	<i>Novon.</i> 24: 39-45	6.26	-
136.	Pradheep K., R.S. Rathi, Soyimchiten and E.R. Nayar	2015	“Meetha patta” (<i>Plukenetia corniculata</i> Sm.): a new report of leafy vegetable crop from north-eastern region of India	<i>Genet. Resour. Crop Evol.</i> 62: 1113-1120	7.46	-
137.	Radhamani J., Z. Khan, S. Sahai and R.K. Tyagi	2015	Nutritional quality analyses of traditional varieties of rice (<i>Oryza sativa</i>) collected from tribal areas in eastern India	<i>Ind. J. Agri. Sci.</i> 85: 266-269	6.14	
138.	Rai H., D.V.S. Raju, M.B. Arun Kumar, T. Janakiram, Namita, Gopala Krishnan and J.C. Rana	2015	Characterization and analysis of genetic diversity among different species of rose (<i>Rosa</i> species) using morphological and molecular markers	<i>Ind. J. Agri. Sci.</i> 85: 240-245	6.14	1
139.	Raina A.P. and K.S. Negi	2015	Essential oil composition of <i>Hedychium spicatum</i> Buch. Ham. ex Smith. from Uttarakhand, India	<i>J. Essential Oil Bearing Pl.</i> 18: 382-388	6.31	1
140.	Raina A.P. and K.S. Negi	2015	Essential oil composition of <i>Valeriana jatamansi</i> Jones from central and eastern Himalayas of India	<i>Ind. J. Pharmaceutical Sci.</i> 77: 218-222	6.48	3
141.	Raina A.P., Z. Abraham and N. Sivaraj	2015	Diversity analysis of <i>Kaempferia galanga</i> L. germplasm from south India using DIVA-GIS approach.	<i>Industrial Crops and Products</i> 69: 433-439	8.84	1



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
142.	Rana J.C., R.K. Chahota, V. Sharma, M. Rana, N. Verma, B. Verma and T.R. Sharma	2015	Genetic diversity and structure of <i>Pyrus</i> accessions of Indian Himalayan region based on morphological and SSR markers.	<i>Tree Genetics and Genomes</i> . DOI: 10.1007/s11295-014-0821-2	8.45	7
143.	Rana J.C., T.R. Sharma, R.K. Tyagi, R.K. Chahota, N.K. Gautam, M. Singh, P.N. Sharma and S.N. Ojha	2015	Characterization of 4274 accessions of common bean (<i>Phaseolus vulgaris</i> L.) germplasm conserved in the Indian gene bank for phenological, morphological and agricultural traits	<i>Euphytica</i> . 205: 441-457	7.39	7
144.	Randhawa G.J., R. Chhabra, R.K. Bhoge and M. Singh	2015	Visual and real-time event-specific loop-mediated isothermal amplification based detection assays for Bt cotton events MON531 and MON15985	<i>J. AOAC International</i> 98: 1207-1214	7.12	3
145.	Sharma S., N. Singh, A.S. Virdi and J.C. Rana	2015	Quality traits analysis and protein profiling of field pea (<i>Pisum sativum</i>) germplasm from Himalayan region	<i>Food Chemistry</i> 172: 528-536	8.91	2
146.	Singh B., J. Akhtar, Usha Dev, A. Kandan, D. Chand, J. Kumar, and P.C. Agarwal	2015	Interception of pathogens associated with imported plant genetic resources in India	<i>Indian J. Pl. Prot.</i> 43: 68-74	4.90	-
147.	Singh M., K. Kumar, IS Bisht, M. Dutta, M.K. Rana, J.C. Rana, K.C. Bansal and A. Sarker	2015	Exploitation of wild annual Cicer species for widening the gene pool of chickpea cultivars	<i>Plant Breeding</i> v134: 186-192	6.19	-
148.	Trivedi A.K., S.K. Verma and R.K. Tyagi	2015	Variability in morpho-physiological traits and antioxidant potential of <i>Rubus</i> species in central Himalayan Region	<i>Industrial Crops and Products</i> DOI: 10.1016/j.indcrop.2015.12.022	8.84	1
149.	Trivedi A.K., S.K. Verma, R.R. Arya and R.K. Tyagi	2015	Genetic diversity in antioxidant potential and stomatal behaviour of peach in central Himalayan region	<i>J. Environ. Biol.</i> 36: 669-675	6.56	-
150.	Trivedi A.K., S.K. Verma, R.R. Arya and R.K. Tyagi	2015	Variability in morpho-physiological traits and antioxidant potential of kiwifruit (<i>Actinidia chinensis</i> Planch) in central Himalayan region	<i>J. Environ. Biol.</i> 36: 1051-1056	6.56	1



SI No.	Publications	Year	Title	Journal and Volume	NAAS Rating	Citation Index
151.	Tyagi R., V. Sharma, A.K. Sureja, A.D. Munshi, L. Arya and M. Verma	2015	Deciphering population structure and diversity in <i>Luffa cylindrica</i> (L.) M. Roem using morphological and SRAP markers	<i>Plant Genet. Resour. Charact. Utilizat.</i> 1-4 doi:10.1017/S1479262115000258	6.58	-
152.	Tyagi R.K. and A. Agrawal	2015	Revised genebank standards for management of plant genetic resources	<i>Ind. J. Agri. Sci.</i> 85: 157-165	6.14	1

Faculty Profile

i) Professors

S. No.	Name	Period
1.	Dr. B.B. Singh	1997-1998
2.	Dr. B.B. Mandal	1998-2007
3.	Dr. S.S. Malik	January - July 2008
4.	Dr. I.S. Bisht	August 2008 - March 2015
5.	Dr. Rekha Chaudhury	April 2015 Continuing

ii) Heads

S. No.	Name	Period
1.	Dr. S.K. Sharma	June 2006 - July 2010
2.	Dr. D.C. Bhandari (Officiating)	July 2010 - October 2010
3.	Dr. K.C. Bnasal	October 2010
4.	Dr. S.C. Dubey (Officiating)	April 27, 2016 to 10 August 2016
5.	Dr. Kuldeep Singh	October 2016 - Continuing

Faculty Members

Sl. No.	Name of the Faculty	Qualification	Specialization
1.	Rekha Chaudhury	Ph.D.	PGR, Eco. Bot., Cryobiology
2.	Amit Kumar Singh	Ph.D.	Mol. Biol. & Biotechnology, PGR
3.	Ambika Baldev Gaikwad	Ph.D.	Molecular Biology, PGR
4.	Anjali Kak Kaul	Ph.D.	Eco. Bot., PGR
5.	Anjula Pandey	Ph.D.	PGR, Systematic Bot.
6.	Anuradha Agrawal	Ph.D.	Eco. Botany, PGR
7.	Archna P. Raina	Ph.D.	Biochemistry, PGR
8.	Ashok Kumar	Ph.D.	PGR, Plant Breeding
9.	Baleshwar Singh	Ph.D.	Plant Pathology, PGR
10.	Celia Chalam V.	Ph.D.	Plant Pathology, PGR



Sl. No.	Name of the Faculty	Qualification	Specialization
11.	D.B. Parakh	Ph.D.	Plant Pathology, PGR
12.	Dinesh Prasad Semwal	Ph.D.	Eco. Bot, PGR
13.	G.J. Randhawa	Ph.D.	Pl. Physiology, PGR
14.	Hanuman Lal	Ph.D.	Ag. Stat., PGR
15.	J.C. Rana	Ph.D.	Genetics and Pl. Breeding
16.	Jameel Akhtar	Ph.D.	Pl. Pathology, PGR
17.	Kavita Gupta	Ph.D.	Entomology, PGR
18.	K.V. Bhat	Ph.D.	Plant Breeding & Genetics, PGR
19.	K.C. Bhatt	Ph.D.	PGR; Eco. Bot.
20.	Kalyani Srinivasan	Ph.D.	Pl. Physiology, PGR
21.	K.K. Gangopadhyay	Ph.D.	PGR, Veg. Sci.
22.	K. Pradheep	Ph.D.	Horticulture
23.	Kandan A.	Ph.D.	Pl. Pathology, PGR
24.	Lalit Arya	Ph.D.	Pl. Biochemistry, Biotechnology, PGR
25.	Mukesh Kumar Rana	Ph.D.	Pl. Breeding, PGR
26.	Manjusha Verma	Ph.D.	Biochemistry, PGR
27.	Monika Singh	Ph.D.	Biotechnology
28.	M.C. Yadav	Ph.D.	Molecular Genetics & Biotechnology, PGR
29.	Mool Chand Singh	Ph.D.	Agronomy, PGR
30.	Neelam Sharma	Ph.D.	Eco. Bot, PGR
31.	Neeta Singh	Ph.D.	Pl. Physiology, PGR
32.	Pratibha Brahmi	Ph.D.	PGR, IPR on PGRFA
33.	R.K. Tyagi	Ph.D.	Eco. Bot., PGR
34.	Radhamani Jalli	Ph.D.	PGR, Seed Physiology
35.	Ruchira Pandey	Ph.D.	PGR, Eco. Bot.
36.	Rakesh Singh	Ph.D.	Pl. Biotechnology, PGR
37.	Rajesh Kumar	Ph.D.	Pl. Biotechnology, PGR
38.	Rajkumar S.	Ph.D.	Pl. Biotechnology, PGR
39.	R. Parimalan	Ph.D.	Pl. Breeding, Biotechnology, PGR
40.	Rakesh Bhardwaj	Ph.D.	Biochemistry, PGR
41.	Rashmi Yadav	Ph.D.	Agronomy
42.	Ruchi Bansal	Ph.D.	Pl. Biotechnology
43.	Shashi Bhalla	Ph.D.	Entomology, PGR
44.	S.K. Malik	Ph.D.	Eco. Bot., PGR
45.	Sandhya Gupta	Ph.D.	PGR Conservation
46.	Sunil Archak	Ph.D.	PGR, Biotechnology
47.	Soma S. Marla	Ph.D.	Crop Genomics
48.	S.K. Yadav	Ph.D.	PGR, Veg. Sci.



Sl. No.	Name of the Faculty	Qualification	Specialization
49.	Sundeeep Kumar	Ph.D.	Molecular Breeding, PGR
50.	Sherry Jacob	Ph.D.	Seed Technology, PGR
51.	S.P. Ahlawat	Ph.D.	Plant Breeding
52.	T.V. Prasad	Ph.D.	Entomology
53.	Veena Gupta	Ph.D.	Eco. Bot., PGR
54.	Vandana Tyagi	Ph.D.	Eco. Bot., PGR
55.	Vikender Kaur	Ph.D.	Eco. Bot., PGR
56.	Yasin Jeshima	Ph.D.	Molecular Genetics, PGR
57.	Zakaullah Khan	Ph.D.	Nematology, PGR



Seed Science and Technology

Sudhir Kumar Jain

Students Awarded Degree

S. No.	Year	Name of Student	Theses Title	Chairperson	Award/ Distinction
1.	2007	Ghosal, Anish	Molecular characterization of <i>Bipolaris oryzae</i> (L.) Breda De Hann causing brown spot diseases in paddy seeds and its ecofriendly management	Dr. Ashok Gaur	M.Sc.
2.	2007	Murlidhar Jagannath Sadawarti	Standardization of hybrid seed production technology in aromatic rice hybrid PRH-10	Dr. Alice K. Vari	Ph.D.
3.	2007	Virupaxagouda Patil	The physical, physiological and pathological factors influencing germination and longevity of seeds and its enhancement in and maintainer lines of rice hybrids	Dr. (Mrs.) M. Dadlani	Ph.D.
4.	2007	Vishwanath, Y.	Studies on floral attributes and methods of pollination on seed yield and quality in pumpkin (<i>Cucurbita Moschata</i> Duch ex. Poir) cv. Pusa Hybrid-1	Dr. B.S. Tomar	M.Sc.
5.	2008	Pandiyraj, N.	Standardization of seed germination testing procedure and dormancy studies in ashwagandha (<i>Withania somnifera</i> , L.) Dunal	Dr. S.K. Jain	M.Sc.
6.	2008	Priya Rajan Kumar	Storage pest management and enhancement of seed storability through modified atmosphere packaging in cauliflower	Dr. S.N. Sinha	Ph.D.
7.	2008	Lal, Sandeep Kumar	Studies on techniques for enhancing the seed quality in onion (<i>Allium cepa</i> L.)	Dr. S.N. Sinha	Ph.D.
8.	2008	Shinde, P.Y.R.	Evaluation and enhancement of seed quality in cotton	Dr. [Mrs.] M. Dadlani	Ph.D.
9.	2008	Mukesh Kumar	Assessment and enhancement of seed vigour in chickpea [<i>Cicer arietinum</i> L.]	Dr. Shiv K. Yadav	M.Sc.
10.	2009	Gupta, Arnab	Studies on seed production technology and quality evaluation protocols in Isabgol (<i>Plantago ovate</i> Forssk)	Dr. S.S. Parihar	Ph.D.



S. No.	Year	Name of Student	Theses Title	Chairperson	Award/ Distinction
11.	2009	Kaddi, Girish	Assessment and enhancement of seed vigor in cotton [<i>Gossypium hirsutum</i> (L.)]	Dr. Shiv K. Yadav	M.Sc.
12.	2009	Hosamani, Jagadish	Studies on seed development maturation and seed quality enhancement in okra (<i>Abelmoschus esculentus</i> (Moench) L.)	Dr. V.K. Pandita	M.Sc.
13.	2009	Menka	Formulating seed standards for seed quality parameters and assessing genetic variability using seed and morphological characters in ashwagandha (<i>Withania somnifera</i> (L.) Dunail)	Dr. S.K. Jain	M.Sc.
14.	2009	Dutta, Shrmila	Application of molecular marker in analysis of genetic diversity and testing of hybrid in <i>Capsicum</i> Spp.	Dr. (Mrs.) M. Dadlani	Ph.D.
15.	2009	Patta, Sujata	Studies on standardization of hybrid seed production technology in Tomato [<i>Lycopersicon esculentum</i> Mill.]	Alice K. Vari	Ph.D.
16.	2009	Usha, T.N.	Evaluation and enhancement of seed vigour in onion and soybean	Dr. (Mrs.) M. Dadlani	Ph.D.
17.	2010	Mir, Heena Rasool	Studies on physical, physiological and biochemical changes associated with seed enhancements in maize	Dr. Sudipta Basu	M.Sc.
18.	2010	Kamble, Umesh Raviendra	Effect of transplanting dates on seed yield and seed quality attributes in basmati rice (<i>Oryza sativa</i> L.) cultivars	Dr. K.K. Singh	M.Sc.
19.	2010	Singh, Praveen Kumar	Assessment of seed quality genetic purity and hybrid identity of commercial lots of Pusa Rice Hybrid-10	Dr. S.S. Parihar	M.Sc.
20.	2010	Kethineni, Udaya Bhaskar	Standardization of seed testing protocols and formulation of seed quality parameters in Senna (<i>Cassia angustifolia</i> vahl.) and Muskdana (<i>Abelmoschus moschatus</i> (L.) Medic	Dr. S.S. Parihar	Ph.D.
21.	2011	Lamichaney, Amrit	Influence of zinc fertilization on seed yield and quality attributes of basmati and non-basmati rice (<i>Oryza sativa</i> L.) cultivars	Dr. K.K. Singh	M.Sc.
22.	2011	Maity, Aniruddha	Studies on pollination requirements in hybrid seed production of Indian mustard (<i>Brassica juncea</i> (L.)	Dr. S.K. Chakrabarty	M.Sc.
23.	2011	Nagamani Sandra	Studies on crop growth and sex expression in relation to hybrid seed production of bitter gourd (<i>Momordica charantia</i> L.)	Dr. (Mrs.) Sudipta Basu	M.Sc.



S. No.	Year	Name of Student	Theses Title	Chairperson	Award/ Distinction
24.	2011	Patil, Praveen G.C.	Evaluating the vigour tests to predict the seedling emergence potential of okra (<i>Abelmoschus esculentus</i> L.) Monech) seed lots	Dr. V.K. Pandita	M.Sc.
25.	2011	Singh, Puneet Kumar	Prediction and enhancement of seedling emergence in carrot (<i>Daucus carota</i> L.) and onion (<i>Allium cepa</i> L.)	Dr. V.K. Pandita	M.Sc.
26.	2012	Chandrashekar, U.S.	Studies on self-incompatibility in Brassicas and their application in hybrid seed production	Dr. (Mrs.) M. Dadlani	Ph.D.
27.	2012	Patil, Kalyan Rao	Optimization of quality hybrid seed production technology in bottle gourd [<i>Lagenaria sinceraria</i> (Molina) standl]	Dr. B.S. Tomar	Ph.D.
28.	2012	Kumari Rajani	Studies on pollination ecology seed development and seed quality enhancement in black cumin (<i>Nigella sativa</i> L.)	Dr. S.S. Parihar	M.Sc.
29.	2012	Singh, Sumeet Kumar	Studies on early maturing Indian mustard [<i>Brassica juncea</i> (L.)] varieties for seedling emergence flowering seed yield and quality characteristics under different temperature regimes	Dr. S.K. Chakrabarty	M.Sc.
30.	2012	Vijaya Kumar	Assessment of distinctiveness and uniformity of the characteristics in farmers rice (<i>Oryza sativa</i> L.) varieties and their application for PVP	Dr. (Mrs.) M. Dadlani	Ph.D.
31.	2012	Katuboina Vinod Kumar	Optimization of quality seed production in pumpkin cv. Pusa Hybrid-1	Dr. B.S. Tomar	Ph.D.
32.	2012	Sanjay Kumar	Application of Molecular Markers for Testing the Genetic Purity of Pearlmillet Parental Lines & Hybrids	Dr. Arunkumar, M.B.	M.Sc.
33.	2013	Manish Kumar Vijay	Effects of different drying methods and rate of drying on quality and storability of sorghum (<i>Sorghum bicolor</i> L.) and pearl millet [<i>Pennisetum glaucum</i> (L.)] seeds	Dr. Sushil Pandey	M.Sc.
34.	2013	Faridullah	Effect of Heat Stress on Floral and Seed Characteristics in Bread Wheat [<i>Triticumaestivum</i> L.]	Dr. Monica A. Joshi	M.Sc.
35.	2013	Hrishikesh Sutradhar	Effect of High Temperature on Floral Characteristics, Seed Set and Seed Quality in Parental Lines of Rice Hybrids	Dr. S.K. Chakrabarty	M.Sc.



S. No.	Year	Name of Student	Theses Title	Chairperson	Award/ Distinction
36.	2013	Zahid, Mohammad	Physiological Phenotyping of Soybean [<i>Glycine max</i> L. Merrill] Genotypes for Seed Longevity	Dr. S.K. Jain	M.Sc.
37.	2013	Gupta, Nakul	Mechanism of Seed Germination in Rice	Dr. Arun Kumar	M.Sc.
38.	2013	Prasanna, Prabhakar	Relationship of Seed Quality Characters to Emergence and Crop Performance in Garden Pea [<i>Pisumsativum hortense</i> L.]	Dr. V.K. Pandita	M.Sc.
39.	2013	Sharma, Vishwanath	Effect of electromagnetic stimulation on seed quality of differentially aged maize seeds	Dr. (Mrs.) Malavika Dadlani	M.Sc.
40.	2013	Bontha, Vidyadhar	Studies on Seed Production Technology of Cherry Tomato [<i>Solanum lycopersicum</i> var <i>cerasiforme</i> L.] grown under Different Environmental Conditions	Dr. B.S. Tomar	Ph.D.
41.	2013	Kaddi, Girish	Optimization of Quality Hybrid Seed Production Technology in Cucumber [<i>Cucumis sativus</i> L.]	Dr. B.S. Tomar	Ph.D.
42.	2013	Mir, Heena Rasool	Effect of hydropriming on biochemical and cell cycle activities, storage behavior and identification of protein markers for optimization of priming in parental lines and hybrids of maize [<i>zea mays</i> l.]	Dr. S.K. Yadav	Ph.D.
43.	2013	Menka	Evaluation of Genetic Purity and Seed Enhancement Treatments in Cotton Hybrids and Parental Lines	Dr. S.K. Yadav	Ph.D.
44.	2013	Hosamani, Jagadish	Biochemical phenotyping and molecular characteristics of soybean for seed longevity	Dr. (Mrs.) M. Dadlani	Ph.D.
45.	2014	Archana Sanyal	Morphological and Biochemical Characterization of Rice (<i>Oryza sativa</i>) Extant Varieties for DUS Testing	Dr. Monika A. Joshi	M.Sc.
46.	2014	Alok Kumar	Seed Storage Studies in <i>Raphanussativus</i> and <i>Brassica oleracea</i> var. <i>botrytis</i>	Dr. Sushil Pandey	M.Sc.
47.	2014	Dan, Ghansham	Development of Seed Treatment Technologies for Better Plant Establishment under Stress Conditions in Indian Mustard (<i>Brassica juncea</i> L.)	Dr. Shiv K. Yadav	M.Sc.
48.	2014	Jha, Niraj Kumar	Identification of Informative DNA Markers for Distinguishing Brinjal Hybrid and their Parental Lines and their utilization in Seed Purity Assessment	Dr. Arun Kumar M.B.	M.Sc.



S. No.	Year	Name of Student	Theses Title	Chairperson	Award/ Distinction
49.	2014	Lamichaney, Amrit	Studies on Seed Development, Maturation and Characterization in Selected Minor Seed Spices: Anise and Celery	Dr. S.K. Jain	Ph.D.
50.	2014	Dhananjaya P.	Studies on Seed Quality Enhancement in Okra (<i>Abelmoschus esculentus</i> (L.) Moench)	Dr. Sudipta Basu	Ph.D.
51.	2015	Sripathy	Seed and Seedling Morphology, Seed Anatomy and dormancy characteristics of some common weed of Delhi	Dr. Monika A. Joshi	Ph.D.
52.	2015	Joudaki, Reza	Effect of temperature on Vegetative growth, floral traits, seed yield and quality in parental lines and hybrid seed production of maize (<i>Zea mays</i>)	Dr. (Ms) Sudipta Basu	Ph.D.
53.	2015	Sanjay Kumar	Optimization of quality seed production in onion (<i>Allium cepa</i>) cv. Pusa Riddhi	Dr. B.S. Tomar	Ph.D.
54.	2015	Vinod Kumar S.B.	Evaluation of seed vi(our traits in wheat (<i>Triticum aestivum</i>) for drought tolerance	Dr. P.C. Nautiyal	Ph.D.
55.	2015	Sooganna	Phenotyping of soybean (<i>Glycine max</i>) genotypes for seed quality and seed vigour	Dr. S.K. Jain	Ph.D.
56.	2015	Sharma Rajesh Kumar	Effect of Growing methods and direction of sowing on seed yield and quality in bottle gourd (<i>Legenaria siceraria</i>) cv. Pusa Naveen	Dr. B.S. Tomar	M.Sc.
57.	2015	Ramling, Sunil Swami	Imbibition behavior and germination response in conventional and quality Indian mustard (<i>Brassica juncea</i>) seeds	Dr. (Ms) SangitaYadav	M.Sc.
58.	2015	Mundotiya Sunny Kumar	Establishing distinctiveness in phenotypically similar rice verities using image analysis	Dr. (Ms.) Monika Johsi	M.Sc.
59.	2015	Venkatesha M.G.	Morpho-molecular characterization of diversity in (<i>Sarociadium oryzae</i>) causing sheath rots in paddy	Dr. Atul Kumar	M.Sc.
60.	2015	Deshmukh Vinod Gulabrao	Evaluation of the influence of remobilization of non-structural carbohydrates from stem reserve to maturing seed in rice (<i>Oryza sativa</i>)	Dr. P.C. Nautiyal	M.Sc.



S. No.	Year	Name of Student	Theses Title	Chairperson	Award/ Distinction
61.	2016	Patted, Praveen S.	Impact of Ascochyta blight of chickpea on seed quality and development of SCAR marker	Dr. Atul Kumar	t
62.	2016	Prasad, Ravi Bhushan	Impact of heat stress on seed quality and its mitigation through seed enhancement in wheat varieties (<i>Triticum aestivum</i> L.)	Dr. (Ms) Monika A Joshi	M.Sc.
63.	2016	Dhanush K.S.	Comparative evaluation of different seed priming techniques for enhancing planting value in onion (<i>Allium cepa</i> L.)	Dr. Sandeep Lal	M.Sc.
64.	2016	Damodar Das	Comparative evaluation of different seed priming techniques for enhancing planting value in onion (<i>Allium cepa</i> L.)	Dr. (Ms) SangitaYadav	M.Sc.
65.	2016	Sanjay Kumar	Assessment of physiological seed quality in cauliflower [<i>Brassica oleracea</i> (L.) var botrytis] and radish (<i>Raphanus sativus</i> L.) seed lots	Dr. V.K. Pandita	M.Sc.
66.	2016	Manimurugam C.	Effect of plant density, harvestable maturity and post harvest management on seed yield and quality in carrot (<i>Daucus carota</i> L.)	Dr. V.K. Pandita	Ph.D.
67.	2016	Reddy C. Kiran Kumar	Testing hybridity in tomato (<i>Solanum lycopersicum</i> L.) using morphological and molecular markers	Dr. S.K. Jain	Ph.D.

Foreign Students Awarded Degree

S. No	Year	Name of Foreign Student	Theses Title	Chairperson	Country
M.Sc.					
1.	2013	Faridullah	Effect of Heat Stress on Floral and Seed Characteristics in Bread Wheat [<i>Triticum aestivum</i> L.]	Dr. Monica A. Joshi	Afganistan
2.	2013	Zahid, Mohammad	Physiological Phenotyping of Soybean [<i>Glycine max</i> L. Merrill] Genotypes for Seed Longevity	Dr. S.K. Jain	Afganistan
Ph.D.					
3.	2015	Joudaki, Reza	Effect of temperature on Vegetative growth, floral traits, seed yield and quality in parental lines and hybrid seed production of maize (<i>Zea mays</i>)	Dr. (Ms) Sudipta Basu	Iran



Trainings Courses/Winter/Summer School/Workshop Organized

S. No.	Title	Trainees	Duration	No. of Trainees
International				
1.	Seed production and marketing	MoA Officials from Iraq	September 13- October 24, 2007	06
2.	Seed quality testing	Officials from Myanmar	November 11-December 11, 2007	02
3.	Seed quality control	MoA Officials from Iraq	November 14-December 26, 2007	09
4.	Seed technology	FAO	October 21-November 04, 2008	16
5.	Seed production & quality evaluation	AARDO member countries	October 22- Nov. 6 2010	06
6.	Seed production and quality evaluation	AARDO member countries	October 17-31, 2011	07
7.	Seed production and quality evaluation	AARDO member countries	Feb. 11-24, 2013	09
8.	Seed quality assurance	WAAP-Nigeria	20 Jan. to 8 Feb. 2014	05
9.	Seed production and quality evaluation	AARDO member countries	March 03-16, 2014	10
10.	Seed technology	FAO	May 26 - June 02, 2014	05
11.	Seed production and quality evaluation	AARDO member countries	Feb. 18-28, 2015	09
National				
12.	Seed quality control	SSTLs & SSCAs	March 15-22, 2007	20
13.	First short term certificate course on plant variety protection and related issues for professionally qualified persons	Sponsored and independent participants	August 21-October 27, 2007	17
14.	Kaddoo jaitya sabji faslon mein sankar beej utpadan takneek	Farmers, extension workers and rural entrepreneurs	August 30-September 01, 2007	25
15.	PPV& FR Act and its implementation	ICAR Winter School	December 18, 2007 - January 07, 2008	13
16.	Second short term certificate course on plant variety protection and related issues for professionally qualified persons	Sponsored and independent participants	August 11-October 18, 2008	08
17.	Production of quality planting material in horticultural crops	Progressive farmers	August 12, 2008	22
18.	Seed production of vegetable crops	Progressive farmers	August 27, 2008	18



S. No.	Title	Trainees	Duration	No. of Trainees
19.	Sabji faslon mein sankar beej utpadan	Progressive farmers	September 9-11, 2008	32
20.	DUS testing for vegetable crops including indigenous cucurbits		November 3-7, 2009	20
21.	Hybrid rice seed production and storage technology		November 3-5, 2009	25
22.	Rabi faslon me beej utpadan thatha krashak adhikar	Progressive farmers	March 8-9, 2010	21
23.	Seed quality assurance	NSRTC	August 17-24, 2012	24
24.	Enhancing crop productivity through seed enhancement technologies under less favorable environments	DST	Feb. 25-26, 2013	60
25.	Enhancing crop productivity through seed enhancement technologies under less favorable environments	DST	March 14-15, 2013	65
26.	Emerging paradigms in hybrid seed production, plant variety protection, value addition and quality assurances for enhancing productivity and sustainable crop production	ICAR Institutes	Sept. 3-12, 2013	65
27.	Enhancing crop productivity with seed enhancement technologies under less favourable environments	DST	Sept. 24-25, 2013	70
28.	Uttam beej utpadan evam surakshit bhandaran	ICAR-Seed Project	March 21-22, 2014	27
29.	Kharif phaslonme beej utpadhan evam krishak adhikar	ICAR-Seed Project	March 28-29, 2014	25
30.	Enhancing crop productivity through seed enhancement technologies under less favourable environments	DST	Sept. 26-27, 2014	70
31.	Enhancing crop productivity through seed enhancement technologies under less favourable environments	DST	Oct.9-10, 2014	65
32.	Enhancing crop productivity with seed enhancement technologies under less favourable environments	DST	Jan. 7-8, 2015	75
33.	Enhancing crop productivity with seed enhancement technologies under less favourable environments	DST	Jan. 23-24, 2015	70
34.	Seed Standards and Legal Aspects	IFFDC	May 5-6, 2015	25



Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
i) Within the Country					
1.	2014	Dr. D.K. Yadava	Non-destructive phenotyping and phenomics for dissection of abiotic stress tolerance, gene discovery and crop improvement	10 days	Division of Plant Physiology, IARI, New Delhi
2.	2014	Dr. D.K. Yadava	Pre-RMP training programme on “Management development programme on leadership development”	12 days	NAARM, Hyderabad
3.	2013	Dr. Atul Kumar	Winter school in Biotechnology on “Frontier technologies in the area of biotechnology on gene isolation, characterization and breeding with reference to abiotic stress related genes”	10 to 30 December 2013	NRCBP, New Delhi
4.	2012	Dr. Atul Kumar	Refresher course on Agricultural Research Management	January 19-February 8 2012	NAARM Hyderabad
5.	2012	Dr. Atul Kumar	State level training programme on PPVFRA	30 March 2012	RAU Pusa Bihar
6.	2011	Dr. Arun Kumar M.B.	Proteomics: High Throughput Analysis of Proteins and Proteome by Mass Spectrometry	12 days	ICGEB New Delhi
7.	2011	Dr. Atul Kumar	Computational approaches in Biological data mining	23-25 March 2011	IARI New Delhi
ii) Outside the Country					
8.	2009	Dr. Atul Kumar	Post-Doc on RNA silencing based mechanism for management of Phytophthora root rot in Avocado	August 1, 2008-January 31, 2009	QABC Brisbane Australia
9.	2008	Dr. Arun Kumar M.B.	Micro RNA associated with seed germination and dormancy under BOYSCAST Fellowship	One year	OSU Corvallis US
10.	2007	Dr. S.K. Chakrabarty	Hybrid rice seed production and testing	26 March -22 May	IRRI, Philippines



Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2015	Dr. D.K. Yadava	NAAS Fellow	NAAS, ICAR, New Delhi
2.	2014		Society Fellow for Rapeseed Mustard Research	Society for Rapeseed Mustard Research Bharatpur
3.	2013		Dr. BP Pal Memorial Award for his outstanding contribution in genetic enhancement of oilseed and pulses	ICAR-IARI, New Delhi
4.	2009	Dr. S.K. Jain	ISPGR Fellow	ISPGR, NBPGR New Delhi
5.	2008		Nirman Bhumi Award Pariwar for Outstanding Work in the Field of Seed Testing	Nirman Bhumi Pariwar (Unnat Krishi Avam Gramin Vikas Rasthiya Samachar Patra) Bhopal, MP
6.	2007		ISST Fellow, since 1986	ISST, IARI New Delhi
7.	2015	Dr. B.S. Tomar	IARI, Best Teacher Award 2014	ICAR-IARI, New Delhi
8.	2014		Second Prize in the Hindi debate on "Food Security Bill" held at IARI, New Delhi during 2014.	Hindi Rajbha Samiti of ICAR-IARI, New Delhi
9.	2014	Dr. V.K. Pandita	Achievers Award	Society for advancement of human and nature Dr. Y.S. Parmar, University of Horticulture and Forestry, Solan (HP)
10.	2014	Dr. S.K. Yadav	SEE Fellow in 7 th National Extension Education Congress held at Meghalaya during November 08-11, 2014	National Extension Education
11.	2009		Young Scientist Award for the year 2008-09	Society of Extension Education
12.	2007		Fellow of Indian Society of Seed Technology	ISST, New-Delhi
13.	2008	Dr. (Ms) Sangita Yadav	Fellow of Indian Society of Seed Technology	ISST, New Delhi
14.	2007		IARI Merit Medal and Gold medal (2007)	ICAR-IARI, New Delhi
15.	2015	Dr. Atul Kumar	Fellow of Indian Phytopathological Society (FPSI)	PSI, IARI, New Delhi
16.	2014		Young Scientist Award	Society for scientific development in agriculture and technology in February, 2014
17.	2013	Dr. Sudipta Basu	Fellow of Indian Society of Seed Technology, New-Delhi	ISST, New Delhi
18.	2011	Dr. Sandeep Kumar Lal	Scientist of the Year Award	ICLDBT, SVPUA&T, Meerut



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
19.	2010		Innovations in Science and Technology Award	National symposium on Emerging trends in Agricultural Research, Scientific and Applied Center, Meerut
20.	2008		Dr. B.R. Ambedkar State Award for Merit during Doctoral Degree	-
21.	2008	Dr. Arun Kumar M.B.	BOYSCAST Fellowship	DST, Min. of Science and Technology, Govt. of India
22.	2014	Mr. Manjunath Pd C.T.	ICAR International Fellowship - 2014	ICAR, New Delhi
23.	2016	Ms. Usha Rani Pedireddi	Sri BhojjaVenkata Reddy Memorial Gold Medal for MSc degree” during 47 th Annual convocation organized held at Rajahmundry on 4 th January 2016	Acharya N. G. Ranga Agricultural University, Hyderabad
24.	2016	Dr. Nagamani Yadav Sandra	Prof. M.J. Narasimhan Merit Academic Award at International Conference on "Plant, Pathogens and people" held at New Delhi	Indian Phytopathological Society (IPS), IARI, New Delhi

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
1.	2016	Dr. S.K. Jain	XXXI Annual Group Meeting of AICRP – NSP (Crops)	April 19-21	Kochi, Kerala, India
2.	2016	Dr. Tej Pal Singh	1 st International Agrobiodiversity Congress	November 06-09, 2016	New Delhi
3.	2016	Dr. Tej Pal Singh	4 th International Agronomy Congress	November 22-26, 2016	New Delhi
4.	2015	Dr. Arun Kumar M.B.	2nd International conference on ‘Applied sciences, environmental engineering and energy technology for sustainable development’. Organized by Krishi Sanakriti on 14th and 15th February 2015 at JNU, New Delhi, India	2 days	JNU, New Delhi
5.	2015	Dr. Arun Kumar M.B.	3 rd International plant physiology congress: challenges and strategies in plant biology research	4 days	JNU, New Delhi
6.	2015	Dr. S.K. Jain	XXX Annual Group Meeting of AICRP – NSP (Crops)	April 03-05	DSR, Mau, U.P., India
7.	2014	Dr. Arun Kumar M.B.	World congress on Agriculture, forestry, horticulture, aquaculture, animal sciences, food technology, biodiversity and climate change: sustainable approaches	2 days	JNU, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
8.	2012	Dr. Arun Kumar M.B.	International conference on “Agrochemicals Protecting Crops, Health and Nutritional Environment: Role of Chemistry for Sustainable Agriculture”	5 days	New Delhi
9.	2012	Dr. Arun Kumar M.B.	Second International Conference on “Plant Biotechnology for Food Security”	4 days	New Delhi
10.	2012	Dr. S.K. Jain	National Seed Congress 2012: Quality seed for Food security	January 23-25	Chandigarh
11.	2011	Dr. (Ms) Sudipta Basu	11 Assian Maize Conference	November 07-11	PR China
12.	2010	Dr. (Ms) Malavika Dadlani	Seed Conference and SSF Meeting	March 8-11	Bangladesh
13.	2010	Dr. S.K. Jain	National Conference on Production of Quality Seed and Planting Material – Health Management in Horticultural Crops	March 11-14	NASC Complex, New Delhi
14.	2009	Dr. (Ms) Malavika Dadlani	ISTA Workshop	May 12-23	Switzerland
15.	2008	Dr. S.K. Jain	National conference on Maintenance Breeding EDV's and Farmer's Varieties in context to Plant Varieties Protection	March 10-11	NASC Complex, New Delhi

Faculty Awards and Recognition

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2016	Dr. S.K. Jain	Chairman, Standing Committee on Scholarships, Financial Assistance and Academic Progress	ICAR-IARI, New Delhi
2.	2016		Member, Standing Committee on Student's Problem, Discipline, Welfare Board and Residences	ICAR-IARI, New Delhi
3.	2010		Chief Editor, Seed Research & Seed Tech News, ISST Publications, New Delhi (2010-2013)	ISST, IARI, New Delhi
4.	2009	Dr. S.K. Jain	Secretary, ISST, IARI New Delhi, India (2009-2016)	ISST, IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
5.	2014	Dr. S.K. Yadav	First Prize for Oral Presentation in Hindi on "PPV & FR Act and Farmer's Rights in National Agriculture Science Workshop, 13-15 April 2009	Indian Agricultural Research Smiti and IARI, New Delhi during 13-15 April 2009
6.	2014		Best Paper Presentation in National Agriculture Science Workshop, 13-15 April 2009	Indian Agricultural Research Smiti and IARI, New Delhi during 13-15 April 2009
7.	2015	Dr. Atul Kumar	Best oral presentation award in December	Society for scientific development in agriculture and technology
8.	2014		Best Poster Presentation award at AAU Anand, Gujarat in National Symposium	IPS New Delhi
9.	2014	Dr. Monika A. Joshi	Best Oral Paper Award, 2 nd International Conference ERCICA01-02 August 2014, Bengaluru	ERCICA, Bengaluru
10.	2013		Best Poster Award, XIII National Seed Seminar, June 8-10, 2013, Bengaluru	ISST, New Delhi
11.	2011	Dr. Sudipta Basu	Best Poster award in 11 th Asian Maize Conference, Nanning, China, 7-11 Nov, 2011	Asian Maize Conference, China
12.	2009		Best Poster Presentation award in International Congress on Horticulture, Bangalore, 9-12 November, 2009	International Congress on Horticulture
13.	2014	Dr. Sandeep Lal	Best Poster Award in <i>International Conference on "Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change: Sustainable Approaches"</i> August 30-31, New Delhi	Jawaharlal Nehru University, New Delhi
14.	2011		Best Poster Award, Nov. 7-11, 2011	11 th Maize Conference, China
15.	2015	Dr. Ashwani Kumar & Dr. Anuja Gupta	Best Poster Award during XII Agricultural Science Congress held from 3 – 6 February, 2015 at ICAR- NDRI, Karnal	NAAS, ICAR, New Delhi

List of Publication Students

S. No.	Author	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Kumar, J., Nissar K., Kumar, M.B.A., Wallia S., Shakil N.A., Prasad R. and Parmar B.S.	2007	Development of polymeric seed coats for seed quality enhancement of soybean (<i>Glycine max</i>)	<i>Indian Journal of Agricultural Sciences</i> 77: 738-743	6.17.	9
2.	Kumar, M.B.A., Sherry, R.J., Varier Anuradha and Dadlani, M.	2007	Suitability of seed esterases for establishing distinctness, uniformity and stability of pearl millet genotypes	<i>Current Sciences</i> 93(7): 951-956	6.93	6



S. No.	Author	Year	Title	Journal and Volume	NAAS Rating	Citation Index
3.	Murlidhar J. Sadawarti, S.K. Chakrabarty and S.P. Sharma	2007	Maximization of seed production in CMS line of rice hybrids	<i>Ind. J. Genet.</i> 67: 403-407		-
4.	Sherry, R.J., Sinha S.N., Kumar, M.B.A. and Srivastava C.	2007	Enhancement of efficacy of seed protectant through polymer seed coating in tomato	<i>PUSA Agricultural Science</i> 30: 42-46	2.20	-
5.	Singh K.K., Singh J.N., Lal S.K and Sharma S.K.	2007	Seed treatment with chloropyriphos on field emergence and seed yield in Pusa Vishal mungbean (<i>Vigna radiata</i>)	<i>Indian Journal of Agri. Sciences</i> 77(11): 744 -747	6.17	-
6.	Singh K.K., Sharma S.K. and Sharma D.K.	2007	Effect of distillery effluent-based pressmud compost alone and in combination with inorganic fertilizer on growth and productivity of basmati rice (<i>Oryza sativa</i>)	<i>Intl. J. Agric. Sci,</i> 3(1): 107-109	4.82	-
7.	Singh K.K., Singh Dhrender, Singh J.N. and Singh Ragender	2007	Heterosis study for earliness and seed yield in Indian mustard [<i>Brassica Juncea</i> (L.) Czern. & Coss]	<i>Annals of Agricultural Research. New Series</i> 28(1): 44-48	4.01	-
8.	Singh, S.S. Anandhan, S.S., Kumar, M.B.A., Goyary, D., Singh, N.K. and Das, S.C.	2007	In Vitro establishment of <i>Cicer microphyllum</i> , a wild relative of cultivated chickpea from cold desert of Ladakh	<i>Journal of Arid Legumes</i> 4(1): 66-68	0	2
9.	Akhtar, J., Lal, H.C and Kumar, A.	2008	First Report on the occurrence and development of stag head of white rust in rapeseed-mustard in Jharkhand	<i>J. Mycol. Pl. Pathol.</i> 38(2): 354-355	4:00	-
10.	Bui Viet Thu, hakrabarty S.K., Sharma S.P. and Dadlani M.	2008	Studies on environmental conditions and pollination management in hybrid rice seed production	<i>Indian J. Genet.</i> 68: 426-432	6.26	-
11.	Gupta, A., Dadlani, M., Kumar M.B.A., Roy, M., Naseem, M., Choudhary, V.K. and Maiti, R.K.	2008	Seed priming: The Aftermath	<i>International Journal of Agriculture Environment and Biotechnology</i> 1(4): 199-209	4.10	9
12.	Jha A.K., Upadhyay J.P., Laland H.C. and Kumar, A.	2008	Integrated management of white mold of <i>Phaseolus vulgaris</i> with special reference to <i>Trichoderma</i> Species	<i>J. Mycol Pl. Pathol.</i> 38(2): 249-252	4:00	-



S. No.	Author	Year	Title	Journal and Volume	NAAS Rating	Citation Index
13.	Koundal Vikas, Parida S.K., Yadava D.K., Ali Arif, Koundal K.R. and Mohapatra T.	2008	Evaluation of microsatellite markers for genome mapping in Indian mustard (<i>Brassica juncea</i> L.)	<i>Journal Plant Biochemistry and Biotechnology</i> 17(1): 69-72	7.35	4
14.	Lal, H.C., Upadhyay, J.P., Jha, A.K. and Kumar, A.	2008	Biochemical and nutritional changes in lentil leaves infected by rust (<i>Uromyces fabae</i>)	<i>J. Mycol & Pl. Pathol</i> 38(2): 339-340	4:00	-
15.	Lal, H.C., Upadhyay, J.P., Jha, A.K. and Kumar, A.	2008	Comparison of weather based models to predict rust of lentil on cultivar Sehore	<i>J. Mycol. Pl. Pathol</i> 38(2): 287-290	4.00	-
16.	Mishra, G.P., Mishra, S.K. Tiwari, S.K. and Kumar, A.	2008	Inheritance of lentil resistance to rust (<i>Uromyces fabae</i>)	<i>Indian Journal of Agricultural Sciences</i> 78(11): 994-996	6.17	-
17.	Yadav R., Meena S.S., Singh G.P. and Yadava D.K.	2008	Host-insect interaction in <i>Brassica</i> against turnip aphid (<i>Lipaphis erysimi</i>)	<i>Indian Journal of Agricultural Sciences</i> 78(2): 155-158	6.17	-
18.	Azadvar, M., Barnwal, V.K. and Yadava, D.K.	2009	First report of 16SrIX (Pigeonpea witches' broom) phytoplasma associated with toria (<i>Brassica rapa</i> cv. toria) phyllody disease in India	<i>Plant Disease Reporter</i> 20: pp1	9.19	19
19.	Brar, K.S., Mittal, V.P., Singh, P. and Yadav, D.K.	2009	Biplot of diallel data set for seed yield of Indian mustard, <i>Brassica juncea</i> Czern and Coss., under south western region of Punjab	<i>Journal of Oilseeds Research</i> 26: 11-12	5.02	-
20.	Kemparaju, K.B., Yadava D.K., Vasudev Sujata, Yadav A.K., Dass Bhagwan, Giri S.C. and Prabhu K.V.	2009	Genetic analysis of yield and yield attributing traits in Indian mustard (<i>Brassica Juncea</i>)	<i>Indian Journal of Agricultural Sciences</i> 79(7): 555-558	6.17	2
21.	Navraj K., Vikal Y., Singh K., Monika A.J. and Sharma R.C.	2009	SSR marker based DNA fingerprinting and cultivar identification of rice (<i>Oryza sativa</i>) in Punjab state of India	<i>Plant Genetic Resources: Characterisation and Utilization</i> 1-4	6.44	-
22.	Nissar K., Kumar J., Kumar M.B.A., Wallia S., Shakil N.A., Prasad R. and Parmar B.S.	2009	Pesticidal seed coats based on <i>azadirachtin-A</i> : release kinetics, storage life and performance	<i>Pest Management Science</i> 65(2): 175-182	8.81	-
23.	Pandiyaraj, N., Preeti, Jain S.K., Srinivasan Kalyani and Negi H.C.S.	2009	Physio-morphological indices of seed maturity in aswagandha [<i>Withaniasomnifera</i> (L.) Dunal]	<i>Seed Res.</i> 37(1&2): 152-155	4.72	-



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24.	Singh K.K. and Sharma S.K.	2009	Effect of distillery effluent based pressmud compost on seed yield and seed quality attributes in rice (<i>Oryza sativa</i>) cultivar Pusa Basmati No-1.	<i>Journal of Soil and Water Conservation</i> 8(4): 67-71	7.75	-
25.	Vignesh, M., Yadava, D.K., Sujata. V., Mohapatra T, Jain Neelu, Yadav A.K., Malik Divya, Yadav M.S. and Prabhu K.V.	2009	Genetics of white rust resistance in <i>Brassica juncea</i> (L.) Czern. & Coss. and allelic relationship between interspecific sources of resistance	<i>Indian Journal of Genetics and Plant Breeding</i> 69(3): 205-208	6.28	-
26.	Gotyal B.S., Chitra S., Suresh W., Jain S.K. and Reddy D.S.	2010	Efficacy of <i>Lantana camara</i> extract against <i>Cadra cautella</i> in stored wheat seeds	<i>Indian Journal of Agricultural Sciences</i> 80(5): 433-436	6.17	-
27.	Menka, Jain S.K., Srinivasan Kalyani, Lal S.K., Sapra R.L. and Singh C.P.	2010	Assessment of genetic variability in ashwagandha [<i>Withania somnifera</i> (L.) Dunal]	<i>Seed Res.</i> 38(1): 8-15	4.72	-
28.	Parida S., Yadava, D.K. and Mohapatra T.	2010	Microsatellites in <i>Brassica unigenes</i> : Relative abundance, marker design and use in comparative physical mapping and genome analysis	<i>Genome</i> 53: 55-67	7.36	54
29.	Singh K.K., Singh Dhirender, Singh J.N. and Singh Ragender	2011	Heterosis studies for seed yield and seed quality attributes in Indian mustard [<i>Brassica juncea</i> (L.) Czern & Coss.]	<i>Seed Research</i> 39(1): 24-27	4.72	-
30.	Singh K.K., Singh Y.V. and Sharma S.K	2010	Influence of biofertilizers and urea application on grain yield and quality attributes in rice (<i>Oryza sativa</i>) cultivars	<i>Journal of Soil and Water Conservation</i> 9(4): 271-276	7.75	-
31.	Singh Y.V., Singh K.K., Sharma S.K. and Meena D.S.	2010	Effect of integrated nutrient management on yield and seed quality in rice	<i>Oryza</i> 47(3): 215-220	4.44	-
32.	Yadav S., Poonam S., Hussain Z., Chaudhary R., Singh O. and Mishra S.K.	2010	Variability of oil and fatty acid of some walnut (<i>Juglans regia</i> L.) germplasm	<i>Indian Journal of Agricultural Sciences</i> 80(7): 626-630	6.17	-



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33.	Azadvar Mehdi, Baranwal V.K. and Yadava D.K.	2011	Transmission and detection of toria (<i>Brassica rapa</i> L. subsp. <i>Dichotoma</i> (Roxb.)) phyto-lodyphytoplasma and identification of potential vector	<i>Journal of General Plant Pathology</i> 77: 194-200	7.12	10
34.	Chakrabarty S.K., Chandrashekar U.S., Prasad M., Yadav J.B., Singh J.N. and Dadlani M.	2011	Protogyny and self-incompatibility in Indian mustard (<i>Brassica juncea</i> (L.) Czern and Coss) - A new tool for hybrid development	<i>Indian Journal of Genetics and Plant Breeding</i> 71(2): 170-173 (Special Issue)	6.28	-
35.	Kadam D.C., Lal S.K., Sapra R.L., Talukdar Akshay, Jain S.K. and Bhat K.V.	2011	Variability in seed longevity and associated traits in soybean germplasm population	<i>Seed Res</i> 39 (1): 5-8	4.72	-
36.	Kaddi G.K., Yadav S.K., Lal S.K., Jain S.K. and Nagarajan Shantha	2011	Static magnetic field treatment enhances seed performance in cotton (<i>Gossypium hirsutum</i> L.)	<i>Seed Res.</i> 39(2): 124-129	4.72	-
37.	Preeti, Jain S.K., Menka, Jain D.K. and Negi HCS	2011	Quality of ashwagandha seeds collected from farmers	<i>Seed Res.</i> 39(2): 198-202	4.72	-
38.	Singh Dinesh, Dhar Shri and Yadava D.K.	2011	Genetic and pathogenic variability of Indian strains of <i>Xanthomonas campestris</i> pv. <i>campestris</i> causing black rot disease of crucifers	<i>Current Microbiology</i> 63: 551-560	7.52	18
39.	Singh Rajendra, Yadava D.K., Singh J.N., Sujata, Yadav S.K., Dass B., Giri S.C, Kumar Raj and Singh K.K.	2011	Pusa Mustard 27 (EJ-17) - an early maturing Indian mustard variety	<i>Indian Journal of Genetics and Plant Breeding</i> 71(3): 290-291	6.28	-
40.	Singh Y.V., Singh K.K. and Dhar D.W.	2011	Impact of rice-wheat under organic farming cropping system on productivity	<i>Journal of Soil and Water Conservation</i> 10(3): 226-232	7.75	-
41.	Singh Y.V., Singh K.K. and Dhar Shiva	2011	Productivity of wheat and soil organic carbon status under integrated use of organic and inorganic fertilizers	<i>Annals of Agricultural Research. New Series</i> 32(1&2): 6-10	4.01	-
42.	Vignesh M., Yadava D.K., Sujata V., Yadava A.K., Mohapatra T. and Prabhu K.V.	2011	Characterization of an Indian mustard (<i>Brassica juncea</i>) indigenous germplasm line Bio-YSR for white rust resistance	<i>Indian Journal of Plant Genetic Resources</i> 24(1): 40-42	5.12	2



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43.	Akhtar J., Tiu K., Kumar A., Singh Vaibhav and Khan Z.	2012	Impact of soil solarisation on some <i>Solanaceous</i> vegetables nursery in plateau region of Jharkhand, India	<i>Vegetos</i> 25(2): 109-114	5.0	-
44.	Chakrabarty S.K., Monika A.J., Singh, Y., Maity A., Vashisht V. and Dadlani M.	2012	Characterization and evaluation of variability in farmers' varieties of rice from West Bengal	<i>Indian Journal of Genetics and Plant Breeding</i> 72: 136-142	6.28	-
45.	Gupta R., Chandrashekar, U.S., Chakrabarty S.K. and Dadlani M.	2012	A simple modified method of DNA extraction from seeds for PCR amplifications	<i>Indian Journal of Agricultural Sciences</i> 82(1): 75-77	6.17	-
46.	Gupta R., Chandrashekar, U.S., Yadav J.B., Chakrabarty S.K. and Dadlani M.	2012	Assessment of genetic relatedness among Indian mustard (<i>Brassica juncea</i>) genotypes using morphological traits and DNA marker	<i>Indian Journal of Agricultural Sciences</i> 82(9): 746-52	6.17	-
47.	Hosamani J., Pandita V.K. and Tomar B.S.	2012	Seed development and acquisition of desiccation tolerance during maturation of okra seed	<i>Indian Journal of Horticulture</i> 69(3): 353-359	6.13	-
48.	Jha A.K, Singh K.K. and Rai Mayanki	2012	Influence of value added fertilizer on production and productivity of wheat (<i>Triticum aestivum</i> L.) in indo-gangatic plains of eastern Uttar Pradesh	<i>Journal of Soil and Water Conservation</i> 11(4): 297-301	7.75	-
49.	Kamble U.R., Singh, K.K., Nallathambi, P., Singh A.K., Pathak H., Pandey S. and Lal S.K.	2012	Effect of dates of transplanting on seed quality attributes of basmati rice (<i>Oryza sativa</i>) cultivars	<i>Seed Research</i> 40(2): 150-155	4.72	-
50.	Lamichaney A., Singh K.K. and Lal S.K.	2012	Influence of zinc fertilization on seed yield and yield governing attributes of basmati and non-basmati rice (<i>Oryza sativa</i> L.) cultivars	<i>Progressive Research</i> 7(sp1): 83-86	3.84	-
51.	Maity A., Chakrabarty S.K. and Yadav J.B.	2012	Standardization of hybrid seed production technology of first Indian mustard (<i>Brassica Juncea</i>) hybrid NRCHB 506	<i>Indian Journal of Agricultural Sciences</i> 82(9): 753-758	6.17	-
52.	Preeti, Jain S.K., Jain D.K. and Negi H.C.S.	2012	Effect of seed pre-treatments on germination of ashwagandha (<i>Withania somnifera</i> (L.) Dunal)	<i>Seed Res</i> 41(2): 109-12	4.72	-



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53.	Raghvendra B.T., Singh Dinesh, Yadava D.K., Mondal K.K. and Sharma Pratibha	2012	Virulence analysis and genetic diversity of <i>Xanthomonas campestris</i> pv. <i>campestris</i> causing black rot of crucifers	<i>Archives of Phytopathology and Plant Protection</i> DOI:10.1080/03235408.2012.737723		-
54.	Singh Y.V., Ahmad Imtiyaj and Singh K.K.	2012	Influence of microbial inoculants on yield, economics and nutrient uptake by basmati rice and soil properties	<i>Journal of Soil and Water Conservation</i> 11(2): 165-173	7.75	-
55.	Suryavanshi Priyanka, Singh Y.V., Singh K.K. and Shivay Y.S.	2012	Relative efficiency of methods of crop establishment in rice (<i>Oryza sativa</i>)	<i>Indian Journal of Agronomy</i> 57(3): 291-297	5.46	-
56.	Suryavanshi, Priyanka Singh Y.V., Singh K.K. and Shivay Y.S.	2012	Crop growth and methane emission dynamics of soil under different methods of transplanting of rice	<i>Journal of Soil and Water Conservation</i> 11(4): 311-314	7.75	-
57.	Verma M., Rathi S., Munshi A.D., Kumar M.B.A., Arya L., Bhat K.V. and Kumar R.	2012	Genetic diversity of Indian brinjal revealed by RAPD and SSR markers.	<i>Indian Journal of Horticulture</i> 69(4): 517-522	6.13	-
58.	Vinu V, Singh Naveen, Naresh Sugandh, Das Bhagwan, Giri S.C., Singh Rajender, Vasudev Sujata, Yadava D.K. and Prabhu K.V.	2012	Trait association study in Indian mustard (<i>Brassica juncea</i>)	<i>Crop Improvement</i> (Special issue, 2012): 449-450	3.7	-
59.	Azharudheen T.P., Muhammed, Yadava D.K., Singh Naveen, Vasudev Sujata and Prabhu K. V.	2013	Screening Indian mustard [<i>Brassica juncea</i> (L.) Czern and Coss)] germplasm for seedling thermo-tolerance using a new screening protocol	<i>African Journal of Agricultural Research</i> 8(38): 4755-4760	-	4
60.	Azharudheen T.P., Muhammed, Yadava D.K., Singh Naveen, Vasudev Sujata and Prabhu K.V.	2013	A study on the thermo-tolerance at germination and seedling stage in Indian mustard [<i>Brassica Juncea</i> (L.) Czern & Coss]	<i>International Journal of Agriculture and Food Science Technology</i> 4(6): 589-594	-	-
61.	Chandrashekar U.S., Dadlani M., Vishwanath K., Chakrabarty S.K. and Prasad, C.T.M.	2013	Study of morpho-physiological, phenological and reproductive behaviour in protogynous lines of Indian mustard [<i>Brassica juncea</i> (L.)]	<i>Euphytica</i> 193: 277-291	7.62	-
62.	Gupta R., Chakrabarty S.K., Yadav J.B. and Dadlani M.	2013	Assessment of fertility restorer gene (<i>Rf</i>) in R-line and <i>Moricandia</i> based hybrid of Indian mustard using SCAR marker	<i>Indian Journal of Genetics and Plant Breeding</i> 73(1): 98-100	6.28	-



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63.	Hosamani J., Kumar M.B.A., Talukdar A., Lal S.K. and Dadlani M.	2013	Molecular characterization and identification of candidate markers for seed longevity in soybean [<i>Glycine max</i> (L.) Merrill]	<i>Indian Journal of Genetics and Plant Breeding</i> 73(1): 64-71	6.28	-
64.	Jha A.K and Singh K.K.	2013	INMS: A tool to retrieve soil health	<i>Journal of Soil and Water Conservation</i> 12(2):	7.75	-
65.	Lamichaney A., Singh KK. and Lal S.K.	2013	Influence of zinc fertilization on seed quality attributes of basmati and non basmati rice (<i>Oryza sativa</i> L.) cultivars	<i>Progressive Research</i> 8(1): 56-60	-	-
66.	Raghavendra B.T., Singh Dinesh, Yadava D.K., Mondal KK. and Sharma Pratibha	2013	Pathogenic variability and genetic diversity using BOX-PCR of <i>Xanthomonas campestris pvcampestris</i> isolated from cole crops	<i>Indian Journal of Agricultural Sciences</i> 83(10): 1090-94	6.17	2
67.	Shaheen R., Kalyani S., Shahid U., Poonam S. and Yadav S.	2013	Qualitative and quantitative changes in lipids of cowpea (<i>Vigna unguiculata</i> L.): impact of changes in seed vigour.	<i>Indian Journal of Agricultural Sciences</i> 83(1): 87-92	6.17	-
68.	Singh KK, Singh Dhirender, Singh J.N. and Singh Ragender	2013	Gene affects studies for earliness and seed yield in Indian mustard [<i>Brassica Juncea</i> (L.) Czern. & Coss]	<i>Annals of Agricultural Research. New Series</i> 34(1): 65-71	4.01	-
69.	Singh Y.V., Singh K.K. and Sharma S.K.	2013	Influence of crop nutrition and varieties under two systems of cultivation on quality, seed yield of rice and water use	<i>Rice Science</i> 20(2): 129-138	5.33	-
70.	Sini T., Anand A., Viswanthan C., Anil D. and Basu S.	2013	Priming circumvents the effect of salinity stress on germination in chickpea seeds	<i>Magneto Acta Physiologia Plantarum</i> 35: 3401-3411	7.56	-
71.	Vinu, V., Singh, N., Sujata V., Yadava D.K., Kumar S., Naresh S., Bhat S.R., and Prabhu, K.V.	2013	Assessment of genetic diversity in <i>Brassica juncea</i> (<i>Brassicaceae</i>) genotypes using phenotypic differences and SSR markers	<i>International Journal of Tropical Biology and Conservation (Revista de Biología Tropical)</i> 61(4): 1919-34	6.44	11
72.	Chandrashekar U.S., Gupta R., Prasad M., Thyagaraju C., Vishwanath K., Chakrabarty S.K. and Dadlani M.	2014	Pollen–pistil interaction in protogyny and self-incompatibility system of Indian mustard (<i>Brassica juncea</i> (L.) Coss.)	<i>Grana</i> 53(2): 103-110	6.87	-



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73.	Jha A.K and Singh K.K.	2014	Diagnostic tools for balanced and integrated nutrient management in food crops	<i>Annals of Agricultural Research New Series</i> 35(2): 149-155	4.01	-
74.	Kaddi G., Tomar B.S., Singh B. and Kumar S.	2014	Effect of growing condition on seed yield and quality of cucumber (<i>Cucumis sativus</i>) hybrid	<i>Indian Journal of Agricultural Sciences</i> 84(4): 624-27	6.17	-
75.	Kalyanrao, Tomar B.S. and Singh B.	2014	Effect of stage of harvest on seed yield and quality in bottle gourd cv. Pusa Hybrid-3	<i>Indian Journal of Horticulture</i> 71(3): 428-432	6.13	-
76.	Mahawar M.K., Samuel D.V.K., Sinha J.P., Jain S.K., Jha S.K. and Tyagi K.K.	2014	Effect of moisture content on physical properties of aged okra (<i>Abelmoschus esculentus</i>) seeds	<i>Seed Res.</i> 42(2): 201-09	4.72	-
77.	Maity A., Chakrabarty S.K. and Yadav J.B.	2014	Foraging behavior of honeybees (<i>Apis</i> spp. <i>Hymenoptera: Apidae</i>) in hybrid seed production of Indian mustard (<i>Brassica juncea</i>)	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1389-94	6.17	-
78.	Mawlong K.A., Kurup D., Yadav S. and Tyagi A.	2014	Isolation and characterization of an AP2/ERF-type drought stress inducible transcription factor encoding gene from rice	<i>Journal of Plant Biochemistry and Biotechnology</i> 23(1): 42-5	7.35	-
79.	Mir H.R., Basu S., Dadlani M., Nagarajan S. and Aggarwal P.	2014	Bio-physical and physiological changes associated with seed enhancement treatments in specialty maize	<i>Indian Journal of Agricultural Sciences</i> 84(7): 867-872	6.17	-
80.	Mir H.R., Basu Sudipta, Dadlani Malavika and Singh Sukhbir	2014	Effect of seed enhancement treatments on field emergence, flowering behaviour and seed yield of speciality	<i>Maize Seed Research</i> 14(1): 38-46	4.72	-
81.	Prakash K., Radhamani J., Pandey A. and Yadav S.	2014	A preliminary investigation of cultivated and wild species of <i>Luffa</i> for oil and protein contents	<i>Plant Genetic Resources Characterization and Utilization</i> 12(1): 103-111	6.44	-
82.	Singh P.K., Pandita V.K., Tomar B.S. and Seth R.	2014	Germination and field emergence in osmotic and solid matrix priming in onion (<i>Allium cepa</i>)	<i>Indian Journal of Agricultural Sciences</i> 84(12): 1561-1564	6.17	-
83.	Singh P.K., Pandita V.K., Tomar B.S. and Seth R.	2014	Use of seed vigour tests to predict seedling emergence of carrot	<i>Indian Journal of Horticulture</i> 71(4): 516-521	6.13	-



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84.	Vidyadhar B., Tomar B.S. and Singh B.	2014	Effect of truss retention and pruning of berry on seed yield and quality attributes of cherry tomato (<i>Solanum lycopersicum</i> var. <i>cerasiforme</i>) grown under different polyhouse structures	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1335-1341	6.17	-
85.	Vinod K., Tomar B.S., Kaddi G. and Kumar S.	2014	Effect of stage of harvest and post harvest ripening of fruit on hybrid seed yield on pumpkin (<i>Cucurbita moschata</i>)	<i>Indian Journal of Agricultural Sciences</i> 84(5): 737-41	6.17	-
86.	Vinod K., Tomar B.S., Singh B. and Kumar S.	2014	Effect of post harvest ripening and drying methods on seed quality and storability in pumpkin cv. Pusa Hybrid-1	<i>Indian Journal of Agricultural Sciences</i> 84(9): 1044-1048	6.17	-
87.	Chakrabarty S.K., Maity A. and Yadav J.B.	2015.	Influence of cyto-sterility sources of female line on seed quality of Indian mustard (<i>Brassica juncea</i> L. Czern & Coss.) in relation to storage period	<i>Plant Breeding</i> 134(3): 333-337	7.50	-
88.	Jha N.K., Jacob S.R., Nepolean T., Jain S.K. and Kumar M.B.A.	2015	SSR markers based DNA fingerprinting and it's utility in testing purity of eggplant hybrid seeds	<i>Quality Assurance and Safety of Crops & Foods</i> 8(3): 333-338	6.62	-
89.	Joudaki Reza, Basu Sudipta, Sharma Vishwanath and Singh Sukhbir	2015	Effect of season on floral traits, seed yield and quality in the parental lines of single cross maize hybrid PEHM-5	<i>Environment & Ecology</i> 34(4A): 1535-1541	4.18	0.162
90.	Kaddi G., Tomar B.S. and Singh B.	2015	Effect of pollination time on fruit set and seed yield in hybrid seed production of cucumber (<i>Cucumis sativus</i>) cv. Pant Shankar Khira 1 under different growing conditions	<i>Indian Journal of Agricultural Sciences</i> 85(5): 725-729	6.17	-
91.	Kaddi G., Tomar B.S., Singh B. and Parihar S.S.	2015	Physiological maturity and its influence on seed yield and quality in cucumber (<i>Cucumis sativus</i>) under different growing environments	<i>Indian Journal of Agricultural Sciences</i> 85(7): 960-964	6.17	-



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92.	Kumar S., Tomar B.S., Jain S.K., Singh N., Parsad R. and Munshi A.D.	2015	Effect of planting time and density on plant growth, seed yield and quality attributes in onion (<i>Allium cepa</i>) cv. Pusa Riddhi	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1578-1585	6.17	-
93.	Kumar Sunil, Chand Gireesh, Kumar Sanjeev and Singh K.K.	2015	Occurrence and progression of some foliar diseases of soybean [<i>Glycine max</i> (L.) Merrill]	<i>Annals of Plant Protection Science</i> 23(2): 308-312	4.82	-
94.	Kumar V., Kumar S., Chakrabarty S.K., Mohapatra T. and Dadlani M.	2015	Molecular characterization of farmers' varieties of rice (<i>Oryza sativa</i>)	<i>Indian Journal of Agricultural Sciences</i> 85(1): 118-24	6.17	-
95.	Kumar V., Tomar B.S., Dadlani M., Singh B. and Kumar S.	2015.	Effect of fruit retention and seed position on the seed yield and quality in pumpkin (<i>Cucurbita moschata</i>) cv Pusa Hybrid 1	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1210-1213	6.17	-
96.	Meena Y., Sirohi H.S., Tomar B.S. and Kumar S.	2015	Effect of planting time, spacing and pinching on growth and seed yield traits in African marigold (<i>Tagetes erecta</i>) cv. Pusa Narangi Gainda	<i>Indian Journal of Agricultural Sciences</i> 85(6): 797-801	6.17	-
97.	Nagamani S., Basu S., Singh Sukhbir, Lal S.K., Behera T.K., Chakrabarty S.K. and Talukdar A.	2015	Effect of plant growth regulators on sex expression, fruit setting, seed yield and quality in the parental lines for hybrid seed production in bitter gourd (<i>Momordica charantia</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1185-1191	6.17	-
97.	Nagamani S., Basu S., Singh Sukhbir, Lal S.K., Behera T.K., Chakrabarty S.K. and Talukdar A.	2015	Effect of plant growth regulators on sex expression, fruit setting, seed yield and quality in the parental lines for hybrid seed production in bitter gourd (<i>Momordica charantia</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1185-1191	6.17	-
98.	Rai H., Raju D.V.S., Kumar M.B.A., Janakiram T., Namita, S. Gopalakrishnan and Rana J.C.	2015	Characterization and analysis of genetic diversity among different species of rose (<i>Rosa</i> species) using morphological and molecular markers	<i>Indian Journal of Agricultural Sciences</i> 85(2): 240-245	6.17	-



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99.	Rathaur P.S., Singh Dinesh, Raghuwanshi Richa and Yadava D.K.	2015	Pathogenic and genetic characterization of <i>Xanthomonas campestris</i> Pv. <i>Campestris</i> races based on Rep-PCR and Multilocus Sequence Analysis	<i>J. Plant Pathol. Microbiol.</i>	6:10	-
100.	Sandra N., Kumar A., Sharma P., Kapoor R., Jain R.K., Mandal B.	2015	Diagnosis of a new variant of soybean yellow mottle mosaic virus with extended host-range in India	<i>Virus Disease</i> 26(4): 304-14	5.90	-
101.	Sharma S.K., Tyagi Suruchi, Singh Y.V., Tomar B.S. and Singh K.K.	2015	Productivity and profitability of aerobic rice (<i>Oryza sativa</i>) as influenced by varieties and integrated nitrogen management	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1435-9	6.17	-
102.	Singh B. and Tomar B.S.	2015	Vegetable seed production under protected and open field condition in India : A review	<i>Indian Journal of Agricultural Sciences</i> 85(10): 1251-1259	6.17	-
103.	Singh P.K., Pandita V.K. and Tomar B.S.	2015	Prediction of seedling emergence in onion (<i>Allium cepa</i>) seed lots through saturated salt accelerated ageing test	<i>Indian Journal of Agricultural Sciences</i> 85(7): 940-944	6.17	-
104.	Singh P.K., Parihar S.S., Singh K.K., Pandey S., Yadav S.K., Singh Y. and Singh A.K.	2015	Assessment of seed quality of different commercial lots of PRH-10 produced at different locations	<i>Seed Research</i> 43(1): 47-52	4.72	-
105.	Vidyadhar B., Tomar B.S., Singh B. and Behera T.K.	2015	Effect of methods and time of pollination on seed yield and quality parameters in cherry tomato grown under different protected conditions	<i>Indian Journal of Horticulture</i> 72(1): 61-66	6.13	-
106.	Vidyadhar B., Tomar B.S., Singh B. and Kaddi G.	2015	Effect of growing conditions on growth, seed yield and quality attributes in cherry tomato (<i>Solanum lycopersicum</i> var <i>cerasiferme</i>)	<i>Indian Journal of Agricultural Sciences</i> 85(1): 114-117	6.17	-
107.	Gupta SK, Ghosh Mainak, Gupta Reena, Singh K.K. Dubey S.N. and Singh T.P.	2016	Productivity of wheat-maize cropping sequence on a sandy loam soil	<i>Enhancing Journal of Soil and Water Conservation</i> 15(2): 148-154	7.75	-



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108.	Kumar A., Solanki I.S., Akhtar J. and Gupta V.	2016	Efficacy of <i>Pseudomonas flourescens</i> and combination fungicide as seed treatment and foliar spray for management of brown spot of paddy	<i>Journal of Pure and Applied Microbiology</i> 10(1): 643-647	-	-
109.	Kumar S., Jacob S.R., Satyavathi C.T., Dadlani M. and Kumar M.B.A.	2016	Utility of SSR markers in assessing the purity and identity of pearl millet hybrids	<i>Journal of Plant Biochemistry and Biotechnology</i> 25(1): 121-124	7.35	-
110.	Kumar A., Solanki I.S., Akhtar J. and Gupta V.	2016	Morpho-molecular diversity of <i>Bipolaris oryzae</i> causing brown spot of paddy	<i>Indian Journal of Agricultural Sciences</i> 86(5): 615-620	6.17	-
111.	Lamichaney Amrit, Jain S.K. and Sooganna	2016	Influence of umbel position on seed quality of anise (<i>Pimpinella anisum</i> L.)	<i>A minor seed spice. Bangladesh J. Bot</i> 1243-48	6.30	-
112.	Phukan Dharitree, Singh B.P., Ravi Indu, Mithra A.S.V., Yadava D.K., Chinnusamy Viswanathan and Mohapatra Trilochan	2016	Cloning and characterization of drought stress-induced NAC transcription factors from <i>Brassica juncea</i> and <i>Sinapis alba</i>	<i>Indian Journal of Genetics and Plant Breeding</i> 76(3): 233-245	6.28	-
113.	Pushpa H.D., Yadava D.K., Singh Naveen, Vasudev Sujata, Saini Navinder, Vignesh M. and Prabhu K.V.	2016	Validation of molecular markers linked to low glucosinolate QTLs for marker assisted selection in Indian mustard (<i>Brassica juncea</i> L. Czern&Coss)	<i>Indian J. Genet.</i> 76(1): 64-68	6.28	-
114.	Reddy K.K., Jain S.K., Bhat S.R., Kumar M.B. Arun, Singh A.K., S. Gopala K. and Hussain J.	2016	Usefulness of morphological characters for discriminating hybrids and parental lines in tomato (<i>Lycopersicon esculentum</i>)	<i>Indian J. Agri. Sci.</i> 86(12)	6.17	-
115.	Sanyal Archana, Monika A.J., Tomar B.S. and Aggarwal Divya	2016	Phenotypic divergence for agro-morphological traits among extant rice (<i>Oryza sativa</i> L.) varieties	<i>Indian Journal of Agricultural Sciences</i> 86(5): 673-678	6.17	-
116.	Sharma K.R., Tomar B.S., Singh S.P and Kumar A.	2016	Effect of growing methods on seed yield and quality in bottle gourd (<i>Lagenaria siceraria</i>)	<i>Indian Journal of Agricultural Sciences</i> 86(3): 373-378	6.17	-
117.	Sooganna, Jain S.K., Bhat K.V., Lamichaney Amrit and Lal S.K.	2016	Characterization of soybean (<i>Glycine max</i>) genotypes for seed longevity using SSR markers	<i>Indian Journal of Agricultural Sciences</i> 86(5): 605-10	6.17	-



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118.	Swami Sunil, Yadav Sangita, Yadav S.K., Dahuja Anil and Yadava D.K.	2016	Imbibition behaviour and germination response in conventional and quality of Indian mustard (<i>Brassica juncea</i>) seeds	<i>Indian Journal of Agricultural Sciences</i> 86(12): 1625-29	6.17	-
119.	Vinu V., Singh Naveen, Vasudev Sujata, Giri S.C., Singh Rajendra, Dass B and Yadava D.K.	2016	Relationship of molecular and phenotypic divergence with hybrid performance in Indian mustard (<i>Brassica juncea</i>)	<i>Indian Journal of Agricultural Sciences</i> 86(9): 1158-63	6.17	-
120.	Vinod S.B., Nautiyal P.C., Singh G.P., Singh Kalpana, Dwivedi Neeta and Hrikrishna	2017	Agronomic and physiological characterization of RILs for drought tolerance in Wheat (<i>Triticum aestivum</i> L.)	<i>Green Farming</i> (8) 1-6	4.38	-

Research Publication of Faculty Members

S. No.	Author	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Chakrabarty S.K. and Sharma S.P.	2007	Foraging behaviour of honeybees in hybrid seed production of sunflower (<i>Helianthus annuus</i>)	<i>Indian. J. of Agril. Sci.</i> 77: 629-31	6.17	-
2.	Chakrabarty, S.K, Nandi K.C. and Dadalani M.	2007	Variation in phenol colour in relation to age of rice seeds	<i>Seed Research</i> 35(2): 215-219	4.72	-
3.	Kalita, M.C., Mohapatra, T., Dhandapani, A., Yadava, D.K., Srinivasan, K., Mukherjee, A.K. and Sharma, R.P.	2007	Comparative evaluation of RAPD, ISSR and Anchored-SSR markers in the assessment of genetic diversity and fingerprinting of oilseed <i>Brassica</i> genotypes	<i>Journal Plant Biochemistry and Biotechnology</i> 16(1): 41-48	7.35	8
4.	Singh Rukam, Issar Deepak, Zala P.V. and Nautiyal P.C.	2007	Variation in sensitivity to salinity in groundnut cultivars during seed germination and early seedling growth	<i>Journal of SAT Agricultural Research</i> 5: 1-7	-	-
5.	Yadava, D.K. and Shekhawat U.S.	2007	Notification of Indian mustard variety RGN-73	<i>Indian Journal of Genetics and Plant Breeding</i> 67(4): 420-421	6.28	-
6.	Chakrabarty S.K.	2008	Synchronization of flowering in parental lines for sunflower hybrid seed production under north-Indian conditions	<i>Current Science</i> 95: 1077-1079	6.97	-



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7.	Chand Ramesh, Singh Jai, Singh K.K., Kumar Shiv and Dekshit S.C.	2008	Institution wise varietal study of wheat seed production in Haryana state during 1999-2000	<i>Journal of Rural and Agricultural Research</i> 8(2): 83-84	3.89	-
8.	Nautiyal, P.C. Rajgopal, K., Zala P.V. Dipti S., Pujari M.B., Dhadhal Bhuvaneshwariba and Nandre B.M.	2008	Evaluation of wild <i>Arachis</i> species for abiotic stress tolerance: I Thermal stress and leaf water relations	<i>Euphytica</i> 159: 43-57	7.62	-
9.	Singh A.K., Jain S.K., Srinivasan K., Uprety M., Singh N., Raut B., Attrey D.P. and Singh R.	2008	Assessing natural low temperature conditions in Himalayan region for long-term storage of seeds: Facilitating cost-effective conservation of plant genetic resources	<i>Seed Res.</i> 36(2): 191-203	4.72	-
10.	Singh A.K., Singh A.K. and Jain S.K.	2008	Essentially derived varieties: Registration under Protection of Plant Varieties and Farmers' Right Act 2001	<i>Seed Res.</i> 36(2): 135-142	4.72	-
11.	Sujata, V., Yadava, D.K., Malik Divya, Tanwar, R.S. and Prabhu, K.V.	2008	A simplified method for preparation of fatty acid methyl esters of <i>Brassica</i> oil	<i>Indian Journal of Genetics and Plant Breeding</i> 68(4): 456-457	6.28	5
12.	Yadava, D.K., Sujata, V., Malik, Ritu, Kumar Arvind and Malik, R.S.	2008	Notification of low erucic acid Indian mustard variety LES-1-27 (Pusa Mustard 21)	<i>Indian Journal of Genetics and Plant Breeding</i> 68(3): 350	6.28	-
13.	Dadlani M., Chakrabarty S.K. and Basu S.	2009	Impact of climate change and IP regime on the production and availability of quality seed	<i>Indian Journal of Genetics and Plant Breeding</i> 69: 325-330	6.28	-
14.	Nautiyal, P.C.	2009	Seed and seedling vigour traits in groundnut (<i>Arachis hypogaea</i> L.)	<i>Seed Science and Technology</i> 37: 721-735	6.52.	-
15.	Nautiyal, P.C. and Kulkarni Ganesh	2009	Seed SDS-PAGE protein profile in dormant and non-dormant types of groundnut (<i>Arachis hypogaea</i>) cultivars	<i>Indian Journal of Agricultural Sciences</i> 79: 476-478	6.17.	-
16.	Sherry R.J., Kumar M.B.A., Gopal M., Srivastava C. and Sinha S.N.	2009	An analysis of the persistence and potency of film coated seed protectant as influenced by various storage parameters	<i>Pest Management Science</i> 65(7): 817-822	8.81	-



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17.	Srinivasan Kalyani, Jain SK, Saxena Sanjeev, Radhamani J. and Uprety Manju	2009	Seed priming and fortification	<i>Seed Res.</i> 37(1&2): 1-13	4.72	-
18.	Sujata V., Yadava, D.K., Malik Ritu, Kumar Arvind, Dass B., Malik, R.S. and Prabhu K.V.	2009	LES 1-27 (Pusa Mustard 21): A low erucic acid Indian mustard variety with wider adaptability	<i>Journal of Oilseeds Research</i> 26: 649-650	5.02	-
19.	Yadava, D.K. Sujata. V. Das B. Giri S.C and Mohapatra T.	2009	Notification of high temperature tolerant Indian mustard variety NPJ-93	<i>Indian Journal of Genetics and Plant Breeding</i> 69(3): 262-263	6.28	-
20.	Yadava, D.K., Sapra, R.L., V Sujata, Dass B., and Prabhu. K.V.	2009	Selection of high diversity with a minimal set of accessions from Indian mustard { <i>Brassica juncea</i> (L.) Czern & Coss.} germplasm collection	<i>Indian Journal of Agricultural Sciences</i> 79(7): 552-554	6.17	1
21.	Yadava, D.K., Parida, S.K., Dwivedi V.K., Varshney A., Ghazi IA., Sujata V. and Mohapatra, T.	2009	Cross-transferability and polymorphic potential of genomic STMS markers of <i>Brassica</i> species	<i>Journal Plant Biochemistry and Biotechnology</i> 18(1): 29-36	7.35	8
22.	Abraham Z., Yadav Sangita, Latha M., Mani S. and Mishra S.K.	2010	Seed variability in <i>Madhuca longifolia</i> (Koenig) J. F. Macbride, a source of oil for use as bio-energy	<i>Genetic Resources and Crop Evolution</i> 57: 619-623	7.26	-
23.	Nautiyal, P.C. and Mariko Shono	2010	Analysis of the role of mitochondrial and endoplasmic reticulum localized small heat-shock proteins in tomato (<i>Lycopersicon esculentum</i> Mill.) plant	<i>Biologia Plantarum</i> 54(4): 715-719	7.67	-
24.	Nautiyal, P.C., J.B. Misra and P.V. Zala	2010	Influence of seed maturity stages on germinability and seedling vigour in groundnut	<i>Journal of SAT Agricultural Research</i> 8: 1-8	-	-
25.	Ruth C.M., Masashi A., Po-Pu Liu, Jessica R.K., Jennifer L.C., Wioletta E.P., George W.B., Natalya A.G., Theresa T.N., Cristina M., Kumar M.B.A., Piotr P. and Nonogaki H.	2010	The regulation of post-germinative transition from the cotyledon-to vegetative-leaf stages by microRNA-targeted SQUAMOSA PROMOTER BINDING PROTEIN LIKE13 in <i>Arabidopsis</i>	<i>Seed Science Research</i> 20(2): 89-96	7.41	-



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26.	Ruth C.M., Masashi A., Po-Pu Liu, Jessica R.K., Jennifer L.C., Wioletta, E.P., George W.B., Natalya A.G., Theresa T.N., Cristina M., Kumar M.B.A., Piotr P. and Nonogaki H.	2010	The microRNA156 and microRNA172 gene regulation cascades at post-germinative stages in <i>Arabidopsis</i>	<i>Seed Science Research</i> 20(2): 79-87	7.41	-
27.	Sinha J.P., Negi H.C.S., Jha S.K., Jain S.K. and Vishwakarma Manoj	2010	Effect of packaging materials on paddy seed quality	<i>Seed Res.</i> 38(1): 31-35	4.72	-
28.	Yadav M.S., Das D.K., Trivedi T.P., Ajmera B.D. and Yadava D.K.	2010	Crop-weather-disease interactions in <i>Brassica juncea</i>	<i>Plant Disease Research</i> 25(1): 80	4.58	-
29.	Yadava D.K. and Shekhawat U.S.	2010	Indian mustard variety RGN-145	<i>Indian Journal of Genetics and Plant Breeding</i> 70(3): 308-0	6.28	-
30.	Yadava D.K., Giri S.C., Sujata V., Yadav A.K., Dass B., Raje R.S., Vignesh, M., Singh Rajendra, Mohapatra T. and Prabhu K.V.	2010	Stability analysis in Indian mustard (<i>B. juncea</i>) varieties	<i>Indian Journal of Agricultural Sciences</i> 80(9): 761-765	6.17	5
31.	Yadava D.K., Sujata V., Prabhu K.V., Mohapatra, T., Dass B., Giri S.C, Yadav S.K., Yadav A.K. and Kumar Raj	2010	Early maturing variety Pusa Mustard-25	<i>Indian Journal of Genetics and Plant Breeding</i> 70(3): 307-08	6.28	-
32.	Yadava, D.K., Sujata, Malik R.S., Malik Ritu, Kumar Arvind, Dass B. and Singh Narendra	2010	Pusa Mustard 22, a low erucic acid variety	<i>Indian Journal of Genetics and Plant Breeding</i> 70(2): 207-08	6.28	-
33.	Yadava, D.K., Sujata, Prabhu K.V., Malik R.S., Malik Ritu, Kumar Arvind, Kumar Raj, Dass B., Giri S.C. and Singh Narendra	2010	Pusa Mustard 24, a low erucic acid variety	<i>Indian Journal of Genetics and Plant Breeding</i> 70(2): 208-09	6.28	-
34.	Nautiyal, P.C., Zala, P.V., Singh Rukam, Sodavadiya Paresh, and Tavethia Bhavesh	2011	A Evaluation of water use efficient new developed varieties of groundnut in on-farm trials in two different rain-fall areas in Gujarat	<i>Journal of SAT Agricultural Research</i> 9: 1-6	-	-



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35.	Yadav M.S., Ahmad N., Singh S., Bamabawale O.M. and Yadava D.K.	2011	Evaluation of <i>Trichoderma</i> and garlic clove extract against <i>Sclerotinia sclerotiorum</i> of <i>Brassica juncea</i>	<i>Indian Phytopathology</i> 64(3): 335-337	5.90	-
36.	Yadav M.S., Das D.K. and Yadava D.K.	2011	Influence of rainfall, temperature and humidity on appearance and development of fungal diseases in <i>Brassica juncea</i> .	<i>Plant Disease Research</i> 25(2): 151-154	4.58	4
37.	Yadav S., Poonam S., Hussain Z., Abraham Z. and Mishra S.K.	2011	Prospects and potential of <i>Madhuca longifolia</i> (Koenig) J.F. Macbride for nutritional and industrial purpose	<i>Biomass and Bioenergy</i> 35(4): 1539-1544	9.25	-
38.	Yadava D.K., Giri S.C., Vignesh M., Sujata V., Yadav A.K., Dass B., Singh Rajendra, Singh N., Mohapatra T. and Prabhu K.V.	2011	Genetic variability and trait association studies in Indian mustard (<i>Brassica juncea</i>)	<i>Indian Journal of Agricultural Sciences</i> 81(8): 712-716	6.17	13
39.	Yadava D.K., Sujata V, Prabhu K.V., Mohapatra T., Dass B., Giri S.C, Singh Rajendra, Yadav S.K., Yadav M.S., Yadav AK and Kumar Raj	2011	Pusa Mustard 26 (NPJ-113), a late sown variety of Indian mustard	<i>Indian Journal of Genetics and Plant Breeding</i> 71(3): 289-290	6.28	-
40.	Yadava D.K., Vignesh M., Sujata V., Singh N., Singh R., Dass B., Yadav M.S., Mohapatra T. and Prabhu K.V.	2011	Understanding the genetic relationship among resistant sources of white rust, a major fungal disease of <i>Brassica juncea</i>	<i>Indian Journal of Genetics and Plant Breeding</i> 72(1): 89-91	6.28	1
41.	Chakrabarty S.K., Monika A.J., Singh Y. and Dadlani M.	2012	Example varieties for DUS testing in rice (<i>Oryzasativa</i>)	<i>Indian Journal of Agricultural Sciences</i> 82(12): 753-758	6.17	-
42.	Jain SK, Srinivasan Kalyani and Sharma A.D.	2012	Seed conditioning as an effective method to alleviate imbibitional injury in some leguminous crop seeds	<i>Seed Res.</i> 40(1): 1-5	4.72	-
43.	Lal S.K., Jain S.K., Sing K.P., Talukdar Akshay and Sapra R.L.	2012	Variability for seed longevity among advanced breeding lines of soybean (<i>Glycine max</i>)	<i>Seed Res.</i> 41(1): 30-33	4.72	-
44.	Nautiyal, P.C., Ravindra V, Rathnakumar, A.L., Ajay, B.C. and Zala, P.V.	2012	Genetic variation in photosynthetic rate, pod yield and yield components in Spanish groundnut cultivars during three cropping seasons	<i>Field Crop Research</i> 125: 83-89	8.93	-



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45.	Singh Naveen, Azharudeen Muhammad, Yadava D.K., Vasudev Sujata, Naresh Sugandh, Singh Rajendra and Prabhu K.V.	2012	A reliable protocol for high temperature screening at early seedling stage in <i>Brassica juncea</i>	<i>Crop Improvement</i> 21-22 (Special Issue)	3.7	-
46.	Yadav M.S., Ahmad Nasim., Singh S., Yadava D.K., Godika S. and Gaur R.B	2012	Multilocation validation of integrated management practices for <i>Sclerotinia</i> rot of Indian mustard (<i>Brassica juncea</i>)	<i>Indian Journal of Agricultural Sciences</i> 82(11): 972-977	6.17	2
47.	Yadav M.S., Singh Naveen, Ahmad Nasim., Yadava D.K., Singh Saroj and Bamabawale O.M.	2012	Sources of resistance to <i>Sclerotinia sclerotiorum</i> in Indian varieties of rapeseed-mustard	<i>Plant Disease Research</i> 27(1): 108-110	4.58	-
48.	Yadav S., Hussain Z., Poonam S., Yadav S.K., Nizar M.A. and Dutta M.	2012	Genetic divergence studies in niger (<i>Guizotia abyssinica</i>) germplasm	<i>Biomass and Bioenergy</i> 44: 64-69	9.39	-
49.	Yadav S.K., Vashisht V., Gaurav S.S., Sindhuja H., Singh D.V. and Lal S.K.	2012	An efficient and rapid method of DNA extraction for molecular marker studies in cotton (<i>Gossypium hirsutum</i> L.)	<i>Vegetos</i> 25(02): 13-19	5.00	-
50.	Yadava D.K., Singh Naveen, Sujata V., Singh Rajendra, Singh Sanjay., Giri S.C., Dwivedi S.K. and Prabhu K.V.	2012	Combining ability and heterobeltiosis for yield and yield attributing traits in Indian mustard (<i>Brassica juncea</i>)	<i>Indian Journal of Agricultural Sciences</i> 82(7): 563-570	6.17	5
51.	Kaushik P., Najam A.S., Kumar J., Singh M.K. and Yadav, S.K.	2013	Development of controlled release formulations of thiram employing amphiphilic polymers and their bioefficacy evaluation in seed quality enhancement studies	<i>Journal of Environmental Science and Health PART B: Pesticides, Food Contaminants, and Agricultural Waste</i> 48: 677-685	7.25	-
52.	Yadav S.K., Yadava D.K., Vasudev S., Yadav S., Kumar P.R. and Nigam R.	2013	Assessment of seed quality and oil content in Indian mustard (<i>Brassica juncea</i>) cultivars among different branches at different storage intervals	<i>Indian Journal of Agricultural Sciences</i> 83(2): 227-233	6.17	4
53.	Yadava D.K., Sujata V, Prabhu K.V., Mohapatra T., Bhat S.R., Giri S.C, Dass B., Singh Rajendra, Yadav S.K., Yadav M.S., Kumar Raj, Kumar Raj and Singh Maharaj	2013	Pusa Mustard 28 (NPJ-124)	<i>Indian Journal of Genetics and Plant Breeding</i> 73(2): 230-231	6.28	-



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53.	Yadava D.K., Sujata V, Prabhu K.V., Mohapatra T., Bhat S.R., Giri S.C, Dass B., Singh Rajendra, Yadav S.K., Yadav M.S., Kumar Raj, Kumar Raj and Singh Maharaj	2013	Pusa Mustard 28 (NPJ-124)	<i>Indian Journal of Genetics and Plant Breeding</i> 73(2): 230-231	6.28	-
54.	Kumar M.B.A., Dadlani M., Kumar R. and Jacob S.R.	2014	Identification and validation of informative SSR markers suitable for ensuring the genetic purity of brinjal (<i>Solanum melongena</i> L.) hybrid seeds	<i>Scientia Horticulturae</i> 171: 95-100	7.54	-
55.	Pandita V.K., Patil P., Tomar B.S. and Seth R.	2014	Controlled deterioration and paper-piercing tests predict seedling emergence potential in okra seed lots	<i>Scientia Horticulturae</i> 179: 21-124	7.54	-
56.	Parihar, S.S., Dadlani, M., Lal S.K., Tonapi, V.A., Nautiyal P.C. and Basu S.	2014	Effect of seed moisture content and storage temperature on seed longevity of hemp (<i>Cannabis sativa</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1303-09	6.17	-
57.	Yadava D.K., Malik R.S., Vasudev Sujata, Singh Naveen, Prabhu K.V., Mohapatra T., Bhat S.R., Yadav S.K., Yadav M.S., Rajkumar, Singh M., Dass B., Giri S.C., Singh Rajendra and Rajkumar	2014	Mustard variety Pusa Mustard 29	<i>Indian Journal of Genetics and Plant Breeding</i> 74(1): 127-128	6.28	-
58.	Yadava D.K., Vasudev Sujata, Singh Naveen, Prabhu K.V., Yadav S.K., Yadav M.S., Rajkumar, Dass B., Giri S.C. and Singh Rajendra	2014	Mustard variety Pusa Mustard 30	<i>Indian Journal of Genetics and Plant Breeding</i> 74(1): 126-127	6.28	-
59.	Hussain Z., Yadav Sangita, Kumar Sanjay, Suneja Poonam, Nizar M.A., Yadav S.K., Yadav Shiv K. and Dutta M.	2015	Molecular characterization of niger (<i>Guizotia abyssinica</i>) germplasm diverse for oil parameters	<i>Indian Journal of Biotechnology</i> 14: 334-350	6.29	-
60.	Singh Jai, Yadava DK, Vasudev Sujata, Singh Naveen, Vignesh Muthusamy and Prabhu K.V.	2015	Inheritance of low erucic acid in Indian mustard [<i>Brassica juncea</i> (L.) Czern. and Coss.]	<i>Indian J. Genet.</i> 75(2): 264-266	6.28	-



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61.	Singh Naveen, Yadava D.K., Vasudev Sujata, Singh Rajendra, Giri S.C., Dass B., Barun Siddhartha and Prabhu K.V.	2015	Combining ability and heterobeltiosis for yield and yield contributing traits in high quality oil Indian mustard (<i>Brassica juncea</i>) genotypes	<i>Indian Journal of Agricultural Sciences</i> 85(4): 498-503	6.17	1
62.	Yadav S.K., Jalink H., Groot S.P.C., Schoor R.V.D., Yadav S., Dadlani M. and Kodde J.	2015	Quality improvement of aged cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>) seeds using chlorophyll fluorescence sensor	<i>Scientia Horticulturae</i> 189: 81-85	7.54	-
63.	Dubey S.C., Tripathi A., Upadhyay B.K. and Kumar, A.	2016	Development of conventional and real time PCR assay for detection and quantification of <i>Rhizoctonia solani</i> infecting pulse crops	<i>Biologia.</i> 71(2): 133-138	6.72	-
64.	Dwivedi Neeta, Nautiyal P.C., Singh Kalpana and Singh Ishwar	2016	Evaluation of maize hybrids for leaf thermostability, photosynthetic rate, stems reserves and productivity, under rain-dependent conditions	<i>Indian Journal of Agricultural Sciences</i> 86(11): 55-61	6.17	-
65.	Dwivedi Neeta, Singh Kalpana, Nautiyal P.C., Goel S. and Rosin K.G.	2016	Differential response of antioxidant enzymes to water-deficit stress in maize (<i>Zea mays</i> L.) hybrids during two leaf stage	<i>Indian Journal of Agricultural Sciences</i> 86(6): 732-7	6.17.	-
66.	Jacob SR., Kumar M.B.A., Varghese E. and Sinha S.N.	2016	Hydrophilic polymer film coat as a micro-container of individual seed facilitates safe storage of tomato seeds.	<i>Scientia Horticulturae</i> 204: 116-122	7.54	-
67.	Nautiyal, P.C., Rathnakumar, A.L., Ganesh Kulkarni and Shashshayee, S.	2016	Evaluation of wild <i>Arachis</i> species for cultivation under semiarid tropics as a fodder crop	<i>Photosynthetica</i> On line published May 2016	7.56	-
68.	Saini Navinder, Singh Naveen, Kumar Anil, Vihan Nitika, Yadav Sangita, Vasudev Sujata, Yadava D.K.	2016	Development and validation of functional CAPS markers for the FAE genes in <i>Brassica juncea</i> and their use in marker-assisted selection	<i>Breeding Science</i> DOI: 10.1270/ jsbbs.16132	7.54	-
69.	Sharma B.B., Kalia Pritam, Yadava D.K., Singh Dinesh and Sharma T.R.	2016	Genetics and molecular mapping of black rot resistance locus Xca1bc on chromosome B-7 in Ethiopian mustard (<i>Brassica carinata</i> (A.) Braun). PLOS One	DOI: 10.1371/ journal.pone0 152290	9.06	-



Faculty Profile

(i) Professors

S. No.	Name	Period
1.	Dr. J.N. Singh	04.10.2005 – 31.07.2008
2.	Dr. Surendra Singh Parihar	01.08.2008 – 18.02.2011
3.	Dr. Sudhir Kumar Jain	19.02.2011 – 02.01.2012
4.	Dr. Surendra Singh Parihar	03.01.2012 – 21.08.2013
5.	Dr. Sudhir Kumar Jain	22.08.2013 – 28.08.2016
6.	Dr. Sudhir Kumar Jain	12.09.2016 – Contd...

(ii) Heads

S. No.	Name	Period
1.	Dr. Malavika Dadalani	30.06.2006 – 31.12.2010
2.	Dr. Surendra Singh Parihar (Acting)	01.01.2011 – 20.07.2011
3.	Dr. Vilas A. Tonapi	21.07.2011 – 05.07.2013
4.	Dr. Surendra Singh Parihar (Acting)	06.07.2013 – 31.12.2013
5.	Dr. Sudhir Kumar Jain	01.01.2014 – 21.10.2014
6.	Dr. Devendra Kumar Yadava	22.10.2014 – Contd...

(iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. D.K. Yadava	Ph.D.	Plant Breeding (Brassica breeding, molecular breeding and seed production)	8	7
2.	Dr. S.K. Jain	Ph.D.	Seed Science and Technology (Seed quality assurance and Seed storage)	5	2
3.	Dr. P.C. Nautiyal	Ph.D.	Plant Physiology	8	2
4.	Dr. S.K. Chakrabarty	Ph.D.	Genetics and Plant Breeding (Seed production)	-	-
5.	Dr. S.K. Yadav	Ph.D.	Seed Science and Technology (Seed quality enhancement, Seed production & Plant variety protection)	4	3
6.	Dr. (Ms) Sangita Yadav	Ph.D.	Seed Science and Technology (Seed biochemistry)	5	1
7.	Dr. (Ms) Sudipta Basu	Ph.D.	Seed Science and Technology (Seed production)	-	-



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
8.	Dr. Sandeep Kumar Lal	Ph.D.	Seed Science and Technology (Seed production and Seed quality enhancement)	2	1
9.	Dr. Arun Kumar M.B.	Ph.D.	Seed Science and Technology (Seed biotechnology)	7	4
10.	Dr. (Ms) Monika A. Joshi	Ph.D.	Seed Science and Technology (Plant breeding)	5	2
11.	Dr. Atul Kumar	Ph.D.	Seed Science and Technology (Plant pathology)	2	0
12.	Dr. Tej Pal Singh	Ph.D.	Seed Science and Technology (Plant physiology- Abiotic, Temperature and Draught Stresses)	-	-
13.	Dr. K.K. Singh	Ph.D.	Seed Science and Technology (Seed production)	-	-
14.	Mr. Manjunath Pd. C.T.	M.Sc.	Seed Science and Technology (Seed biotechnology)	-	-
15.	Dr. (Ms) Nirupma Singh	Ph.D.	Genetic and plant breeding	-	-
16.	Ms Usha Rani Pedireddi	M.Sc.	Seed Science and Technology	-	-
17.	Dr. (Ms) Nagamani Sandra	Ph.D.	Seed Science and Technology (Seed virology)	-	-
18.	Dr. Sooganna	Ph.D.	Seed Science and Technology	-	-

**School of
Horticulture Sciences**



Floriculture and Landscape Architecture

Kanwar Pal Singh, Namita and Sapna Panwar

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1.	2007	Naveen Kumar	Studies on the effect of hormones in combination nitrogen fertilization in gladiolus	Dr. R.L. Misra	-
2.	2007	Vinod Kumar	Studies on vase life and quality of greenhouse cut roses	Dr. R.L. Misra	-
3.	2007	Reeta Bhatia	Micropropagation of gerbera and clonal fidelity using molecular markers	Dr. Kanwar Pal Singh	Gold Medal (Best Student)
4.	2008	Nilamber Singh	Biochemical characterization of flower senescence in gladiolus	Dr. R.L. Misra	-
5.	2008	Namita	Studies on interspecific hybridization in marigold	Dr. Kanwar Pal Singh	Gold Medal
6.	2009	Tarak Nath Saha	Effect of vermi-bioproducts on growth and flowering of gerbera under protected environment	Dr. S.S. Sindhu	-
7.	2009	Mast Ram Dhiman	Photoperiodical and vernalization studies in liliium	Dr. S.S. Sindhu	-
8.	2009	Madhu Bala	Studies on induction of radiomutants in rose (<i>Rosa hybrida</i> L.) for novel traits	Dr. Kanwar Pal Singh	-
9.	2009	Gunjeet Kumar	Morphological and molecular characterization of chrysanthemum (<i>Chrysanthemum grandiflorum</i>) germplasm	Dr. Kanwar Pal Singh	-
10.	2010	Jyoti Sarkar	<i>In vivo</i> and <i>in vitro</i> induction of mutations in marigold (<i>Tagetes erecta</i> L.) through gamma irradiation	Dr. Kanwar Pal Singh	-
11.	2010	Jyothi R.	Studies on mutagenic effect of gamma irradiation on tuberose (<i>Polianthes tuberosa</i> L.)	Dr. Krishan Pal Singh	-
12.	2010	Kadam Ganesh Balkrushna	Effect of variable environmental conditions on growth and development of gladiolus (<i>Gladiolus</i> (Tourn) L.)	Dr. Krishan Pal Singh	-
13.	2011	Sahar Mirzaei Damabi	Effect of seed quality enhancement on physiological, biochemical and gamma irradiation efficacy in marigold (<i>Tagetes</i> spp.)	Dr. Kanwar Pal Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
14.	2012	Mohan Ram	Induction and characterization of anthocyanin pigments from callus culture of rose (<i>Rosa hybrida</i> L.)	Dr. K.V. Prasad	-
15.	2013	Sapna Panwar	Diversity analysis and GMS Hybrid performance for carotenoids and flower yield in marigold (<i>Tagetes erecta</i> L.)	Dr. Kanwar Pal Singh	-
16.	2013	Arvind Kumar Verma	Studies on media dynamics in landscaping gerbera (<i>Gerbera jamesoni</i> H. Bolus.)	Dr. S.S. Sindhu	-
17.	2013	Bhosale Vitthal Narayan	Changing senescence urban landscape in Delhi and NCR region evaluation of public and private gardens	Dr. S.S. Sindhu	-
18.	2014	Prativa Lakhota	<i>In vitro</i> induction of betalain pigments in bougainvillea	Dr. Krishan Pal Singh	-
19.	2014	Pavan Kumar P.	Studies on morphological and molecular diversity for cultivar identification in bougainvillea	Dr. T. Janakiram	-
20.	2014	Hemlata Bharti	Morphological biochemical and molecular characterization of tuberose (<i>Polianthes tuberosa</i> L.) germplasm	Dr. Krishan Pal Singh	-
21.	2014	Usha	<i>In vitro</i> anthocyanin induction and characterization in petunia	Dr. T. Janakiram	-
22.	2015	Palmsey M. Sangama	Studies on growing behaviour and management of warm season turf grasses	Dr. Kanwar Pal Singh	-
23.	2015	Soobedar Yadav	Studies on reaction time for flower induction in chrysanthemum under greenhouse	Dr. S.S. Sindhu	-
24.	2015	Bharat Singh Hada	<i>In vitro</i> induction and characterization of anthocyanin pigments in chrysanthemum	Dr. K.V. Prasad	-
25.	2016	Narendra Chaudhary	Studies on the effect of growing environment and media composition on growth, flowering and bulb production in <i>Lilium</i>	Dr. S.S. Sindhu	-
M.Sc. Students					
1.	2007	M.A. Chandanie	Induction of <i>in-vitro</i> polyploidy in Asiatic Lily (<i>Lilium hybrida</i> L.)	Dr. S.S. Sindhu	-
2.	2007	Jyothi. R.	<i>In vitro</i> propagation studies on single and double type of tuberose cultivars.	Dr. Krishan Pal Singh	-
3.	2007	Jyothi. Sarkar	Studies on effect of growth regulators on growth and flowering of tuberose	Dr. R.L. Misra	-
4.	2008	Sahar Mirzaei Damabi	Studies on <i>in vitro</i> propagation of miniature rose cv. Candy Sunblaze	Dr. S.S. Sindhu	-
5.	2008	Kadam Ganesh Balkrushana	<i>In vitro</i> regeneration studies in tuberose (<i>Polianthes tuberosa</i> L.)	Dr. Krishan Pal Singh	-
6.	2008	Bosale Vitthal Narayan	<i>In vitro</i> propagation of orchid (<i>Arundina graminifolia</i>) by using immature seeds	Dr. Krishan Pal Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
7.	2009	Mohan Ram	<i>In vitro</i> induction of nutraceutical pigments from rose (<i>Rosa hybrida</i> L.) and Calendula (<i>Calendula officinalis</i> L.)	Dr. K.V. Prasad	-
8.	2009	Sapna Panwar	Morphological and molecular characterization of Indian rose cultivars	Dr. Kanwar Pal Singh	-
9.	2009	Arvind Kumar Verma	<i>In vitro</i> isolation and purification of promising radiation induced mutants of chrysanthemum	Dr. K.V. Prasad	-
10.	2010	Bharat Singh Hada	Morphological and Molecular characterization of promising radiation induced mutants of chrysanthemum (<i>Chrysanthemum morifolium</i> Ramat.)	Dr. K.V. Prasad	-
11.	2010	ShyamaKumari	Physiological characterization of cut flower senescence in tuberose (<i>Polianthes tuberosa</i> L.)	Dr. Krishan Pal Singh	Gold Medal
12.	2011	Narendra Choudhary	Effect of integrated nutrient management on growth flowering and corn yield of gladiolus (<i>Gladiolus hybridus</i> Hort.)	Dr. Kishan Swaroop	-
13.	2011	Reza Ahmadzadeh	GIS based studies on ornamental trees profile of IARI campus	Dr. S.S. Sindhu	-
14.	2011	PrativaLakhotia	Pollen viability and <i>in vitro</i> germination studies in rose	Dr. D.V.S. Raju	Gold Medal
15.	2012	Aparna Veluru	Effect of gibberellic acid on growth and flowering in <i>Chrysanthemum morifolium</i> Ramat. cvs. Theichen Queen and Snowball.	Dr. M.C. Singh	-
16.	2012	Soobedar Yadav	Regulation of flower senescence in ethylene insensitive gladiolus (<i>Gladiolus grandiflora</i> Hort.)	Dr. P. Naveen Kumar	Gold Medal
17.	2013	Henuka Rai	Morphological and molecular characterization of rose species	Dr. D.V.S. Raju	Gold Medal
18.	2014	Pratiksha Kumari	<i>In vitro</i> and <i>in vivo</i> propagation of difficult-to-root bougainvillea cultivars	Dr. Kishan Swaroop	-
19.	2014	Meenu Kumari	Postharvest studies in chrysanthemum (<i>Dendranthema grandiflorum</i> L.)	Dr. Ramesh Kumar	-
20.	2014	Abhay Kumar Gaurav	Effect of coloured shade nets and shade levels on production and quality of cut greens	Dr. D.V.S. Raju	Gold Medal
21.	2015	Akshaya H.R.	Standardization of dehydration and storage technique for higher retention of carotenoids and antioxidant properties in marigold (<i>Tagetes</i> sp.) Flowers	Dr. Namita	-
22.	2015	Nangsan Kupa L. Khongwir	Postharvest studies in tuberose (<i>Polianthes tuberosa</i> L.) cultivars	Dr. M.C. Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
23.	2015	Sunil Kumar	Studies on photoperiodic proposes in chrysanthemum (<i>Chrysanthemum morifolium</i>) cv. Zembla	Dr. M.C. Singh	-
24.	2015	Sunita Dhakar	Studies on integrated weed management in gladiolus (<i>Gladiolus hybridus</i> Hort.)	Dr. Kishan Swaroop	-
25.	2016	Ashok Kumar Paikaray	Phenotyping of marigold genotypes for salt tolerance	Dr. Prabhat Kumar	-
26.	2016	Shisa Ullas P.	Profiling of pigments and their antioxidant activities in Chrysanthemum (<i>Chrysanthemum morifolium</i> Ramat.)	Dr. Namita	-
27.	2016	Varun Mallaiah Hiremath	Regulation of leaf and petal senescence by non-enzymatic antioxidant ascorbic acid in Chrysanthemum (<i>Chrysanthemum morifolium</i> Ramat.)	Dr. Ritu Jain	-

Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
M.Sc. Students					
1.	2007	M.A. Chandanie	Induction of <i>in vitro</i> polyploidy in Asiatic lily (<i>Lilium hybrida</i> L.)	Dr. S.S. Sindhu	Srilanka
2.	2008	Sahar Mirzaei Damabi	Studies on <i>in vitro</i> propagation of miniature rose cv. Candy sunblaze	Dr. S.S. Sindhu	Iran
3.	2011	Reza Ahmedzadeh	GIS based studies on ornamental trees profile of IARI campus	Dr. S.S. Sindhu	Iran
Ph.D. Students					
1.	2011	Sahar Mirzaei Damabi	Effect of seed quality enhancement on physiological, biochemical and gamma irradiation efficacy in marigold (<i>Tagetes</i> spp.)	Dr. Kanwar Pal Singh	Iran

Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2010	Faculty and student up-gradation training programme on “Computer Aided Design Technology” held at Division of Floriculture and Landscaping, IARI, New Delhi	20	Dr. T. Janakiram Dr. Ritu Jain Dr. Namita
2.	2012	Workshop on “Value Addition of Ornamentals” for the benefit of farm women of Mewat region at the Division of Floriculture and Landscaping, IARI, New Delhi	20	Dr. T. Janakiram Dr. Ritu Jain Dr. Namita
3.	2012	“Value Addition and Dry Flower Product Making for Sustainable Livelihood” Division of Floriculture and Landscaping, IARI, New Delhi	60	Dr. T. Janakiram Dr. Ritu Jain



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
4.	2013	One day dialogue on “Turfgrass research and Management” by Division of Floriculture and Landscaping in collaboration with Delhi Agri-Horticultural Society, IARI, New Delhi on 17 December, 2013	25	Dr. T. Janakiram Dr. Namita
5.	2013	Model training course on “Value Addition in Flower Crops” (November 4-11, 2013), Division of Floriculture and Landscaping, IARI, New Delhi	19	Dr. T. Janakiram Dr. Ritu Jain
6.	2014	Model Training Course (MTC) on “Avenues in Floriculture for Livelihood.” for officers of State Horticulture/ Agriculture Departments successfully from 10-17, December, 2014 sponsored by Min. of Agri. Govt. of India at Division of Floriculture and Landscaping, IARI, New Delhi	20	Dr. Kanwar Pal Singh Dr. Prabhat Kumar Dr. Namita Dr. Sapna Panwar
7.	2014	Entrepreneurship Development Programme on “Dry Flower Making” at Division of Floriculture and Landscaping, IARI, New Delhi	5	Dr. Ritu Jain
8.	2016	Training cum Exposure Visit programme for farmers of Kashmir on “Production Technology of Flower crops” from 25-29 Feb., 2016	55	Dr. S.S. Sindhu Dr. Markandey Singh Dr. Namita
9.	2016	Training on “Floriculture and Landscaping for Livelihood Security” (Jammu Farmers) from 20-25 March, 2016	25	Dr. S.S. Sindhu Dr. Babita Singh
10.	2016	Silver Jubilee National Conference on Floriculture and Landscaping for Urban and Rural Prosperity on 28 & 29 February, 2016 held at Division of Floriculture and Landscaping, IARI, New Delhi	25	Dr. Kanwar Pal Singh Dr. Namita Dr. Sapna Panwar

Training Received by the Faculty Members within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2008	Dr. Ritu Jain	DUS testing for plant variety protection: principles and procedures	6 days	Division of Seed Science and Technology, IARI, New Delhi
2.	2008	Dr. Ritu Jain	Data mining in agriculture	21 days	IASRI, New Delhi
3.	2010	Dr. Namita	Faculty up gradation training programme on “Computer Aided Design Technology”, from 23-28 August, 2010	6 days	IARI, New Delhi
4.	2010	Dr. Namita	Summer school on “Protected cultivation for enhanced profitability”. from 3-23 September, 2010	21 days	Department of Vegetable Science and Floriculture, CSKHPKV-Palampur
5.	2010	Dr. Namita	Training programme on “Data analysis using SAS under the Consortia-based research” from 22-27 November, 2010	6 days	Indian Agricultural Statistics Research Institute, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
6.	2010	Dr. Ritu Jain	Computer Aided Designs for Landscaping	5 days	Division of Floriculture and Landscaping, IARI, New Delhi
7.	2010	Dr. Ritu Jain	Landscaping and Interior Plantscaping	10 days	Kerala Agricultural University, Thrissur, Kerala
8.	2011	Dr. Namita	Training programme on “Digital Photographic Application in Science” from 25-29 July, 2011	5 days	IARI, New Delhi
9.	2011	Dr. Namita	Training programme on “Dehydration of Flowers and Floral crafts” from 3-5 January, 2011	5 days	National Botanical Research Institute (NBRI) Lucknow, Uttar Pradesh
10.	2011	Dr. Ritu Jain	Dehydration of Flowers and Floral Crafts	3 days	Section of Floriculture, NBRI, Lucknow
11.	2012	Dr. Namita	Attended workshop for curators on “Grass management in cricket pitch and outfield” from 28-29 May, 2012	2 days	Organized by The Board of Control for Cricket in India, held at Mumbai
12.	2012	Dr. Namita	Attended training course on “current biochemical and molecular techniques for nutritional enhancement and stress tolerance in crop plants” from 1-21, November, 2012	21 days	IARI, New Delhi
13.	2012	Dr. Ritu Jain	Computational Genome Analysis Technique in Discovery of Agronomically Important Crop Gene	6 days	NBPGR, New Delhi
14.	2014	Dr. Ritu Jain	Data Analysis Using SAS	8 days	IASRI, New Delhi
15.	2014	Dr. Ritu Jain	Hands on training on RNA Interference: Concepts and its application in Plant Science	10 days	Division of Biochemistry, IARI, New Delhi
16.	2014	Dr. Ritu Jain	Conservation of Orthodox seeds in Gene bank	2 days	NBPGR, New Delhi
17.	2014	Dr. M.K. Singh	Global Conference on Technological and Human Resource for Climate Smart Horticulture-Issues and Strategic	4 days	Navsari Agricultural University, Navsari, Gujarat
18.	2016	Dr. Namita	Knowledge management and knowledge sharing in organization for scientists and technologist	5 days	Institution Indian Institute of Public Administration New Delhi
19.	2016	Dr. Babita Singh	Knowledge management and knowledge sharing in organization for scientists and technologist	5 days	Institution Indian Institute of Public Administration New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
20.	2016	Dr. Prabhat Kumar	Refresher course on "Agriculture Research Management" from 14/11/2016 to 24/11/2016	11 days	NAARM, Hyderabad

Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2009	Dr. K.V. Prasad	Dr. B.P. Pal Gold Medal	IARI, New Delhi
2.	2012	Dr. Ritu Jain	Hindi Vishisth Pravakta Puraskar	IARI, New Delhi

Faculty Participation in National Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2010	Dr. Kanwar Pal Singh	4 th Indian Horticulture Congress	4 days	NPL New Delhi
2.	2011	Dr. Ritu Jain	Indo Global Education summit 2011	2 days	Delhi
3.	2012	Dr. Ritu Jain	Global conference on Shaping Human Resources for Global competitiveness	2 days	Delhi
4.	2012	Dr. Ritu Jain	Global conference on Horticulture for food nutrition and livelihood options	4 days	Bhubaneswar (Orissa)
5.	2013	Dr. Kishan Swaroop	National conference on Impact of Technological Tools on Food Security under Global Warming Scenario (ITTFS-2012) organized by Hi-Tech Horticultural Society	2 days	Shobhit University, Modipuram, Meerut, U.P.
6.	2014	Dr. Sapna Panwar	Symposium on Horticulture-Innovations in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation	3 days	BBAU, Lucknow
7.	2014	Dr. Kishan Swaroop	6 th Indian Horticulture Congress at Coimbatore organized by HSI, New Delhi	4 days	Organized by HSI and held T.N.A.U. Coimbatore
8.	2014	Dr. Ritu Jain	3 rd International Conference on Agriculture & Horticulture	3 days	Hyderabad
9.	2015	Dr. Ritu Jain	International Symposium on Commercial Floriculture and Landscaping Gardening for Urban and Peri-Urban Horticulture	3 days	Chandigarh
10.	2016	Dr. Babita Singh	International Symposium on Sustainable Horticulture	3 days	Aizawl, Mizoram



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
11.	2016	Dr. S.S. Sindhu Dr. Kishan Swaroop Dr. Kanwar Pal Singh Dr. Sapna Panwar Dr. Ritu Jain Dr. Namita Dr. Prativa Anand	7 th Indian Horticulture Congress-2016 at B.P. Pal Auditorium, IARI, New Delhi from 15-18 November, 2016	4 days	HSI, New Delhi

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2014	Dr. Sapna Panwar	International Symposium on Horticulture-Innovations in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation	3 days	BBAU, Lucknow
2.	2014	Dr. Ritu Jain	Global Conference on Technological Challenges and Human Resources for Climate Smart Horticulture	4 days	Navsari Gujarat
3.	2014	Dr. Ritu Jain	3 rd International Conference on Agriculture & Horticulture	3 days	Hyderabad
4.	2015	Dr. Kanwar Pal Singh	International Symposium on Commercial Floriculture and Landscape Gardening for Urban and Peri Urban Horticulture (21-22 February, 2015) organised by Confederation of Horticulture Associations of India & Media Today group at Chandigarh	2 days	Chandigarh
5.	2015	Dr. Kanwar Pal Singh	Indo-German Bilateral Co-operation on seed sector organized by Protection of plant Varieties and Farmers' Rights Authority & ICAR-Indian Agricultural Research Institute from 23 to 24 Nov. 2015 at New Delhi	2 days	PPV & FRA
6.	2015	Dr. Sapna Panwar	Second International Conference on Bio-Resource and Stress Management	4 days	Prof. Jayashankar Telangana State Agricultural University, Hyderabad
7.	2015	Dr. Ritu Jain	International Symposium on Commercial Floriculture and Landscaping Gardening for Urban and Peri-Urban Horticulture	3 days	Chandigarh
8.	2016	Dr. Babita Singh	International Symposium on Sustainable Horticulture	3 days	Aizawl, Mizoram



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
9.	2016	Dr. S.S. Sindhu Dr. Kanwar Pal Singh Dr. Kishan Swaroop	International Conference on Climate Change Adaptation and Biodiversity Ecological Sustainability and Resource Management for Livelihood Security	3 days	Portblair, A & N Island

Awards and Recognition Received by Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
1.	2008	Dr. Kanwar Pal Singh	Delhi Agri- Horticultural Society, New Delhi	DAHS – Merit Award
2.	2008	Dr. K.V. Prasad	Horticultural Society of India	HSI Fellowship
3.	2009	Dr. T. Janakiram	Dr. Prem Nath Agricultural Science Foundation	Dr. Prem Nath Agricultural Science Foundation Gold Medal Award
4.	2009	Dr. T. Janakiram	Horticulture Society of India	Horticulture Society of India Gold Medal in Floriculture
5.	2010	Dr. K.V. Prasad	Horticultural Society of India	Horticultural Society of India (HSI) Gold Medal in Floriculture
6.	2011	Dr. T. Janakiram	Indian Society for Ornamental Horticulture, New Delhi	Lotus Puraskar
7.	2011	Dr. Kanwar Pal Singh	Indian Society of Ornamental Horticulture	ISOH Fellowship
8.	2012	Dr. T. Janakiram, Dr. Kanwar Pal Singh, Dr. Ritu Jain and Dr. Namita	Confederation of Horticultural Associations of India, New Delhi	CHAI Fellowships
9.	2014	Dr. Kanwar Pal Singh	The Horticultural Society of India, New Delhi	HSI Gold Medal in Floriculture
10.	2014	Dr. Ritu Jain	ASM Foundation, New Delhi.	Best Paper Award
11.	2015	Dr. S.S. Sindhu and Dr. Kanwar Pal Singh	The Horticultural Society of India, New Delhi	HSI Fellowship
12.	2015	Dr. Sapna Panwar	Confederation of Horticultural Associations of India, New Delhi	CHAI Fellowship
13.	2015	Dr. Namita	Indian Society of Ornamental Horticulture	Editor, Journal of Ornamental Horticulture
14.	2015	Dr. S.S. Sindhu	Confederation of Horticultural Association of India	JISL Fellowship
15.	2015	Dr. S.S. Sindhu	Confederation of Horticultural Association of India	CHAI Fellowship
16.	2015	Dr. S.S. Sindhu	Indian Society of Ornamental Horticulture	ISOH Fellowship
17.	2015	Dr. D.V.S. Raju	Rose Society of India	Honorary Editor of the Rose Society of India
18.	2016	Dr. Sapna Panwar	Indian Society of Ornamental Horticulture	Editor, Journal of Ornamental Horticulture
19.	2016	Dr. Kanwar Pal Singh	Indian Society of Ornamental Horticulture	Chief Editor of Journal of Ornamental Horticulture



Research Publications of Faculty Members

S. No.	Authors	Year	Title	Name of Journal and Volume	NAAS Score	Citation Index
1.	D.V.S. Raju, Kanwar P. Singh and Kishan Swaroop	2007	Performance of French marigold (<i>Tagetes patula</i> Linn.) in different planting months under Delhi conditions	<i>Journal of Ornamental Horticulture</i> 9(3): 215-217	3.7	2
2.	Swaroop, K., D.V.S. Raju and Kanwar P. Singh	2007	Effect of nitrogen and phosphorus on growth, flowering and seed yield of African marigold variety Pusa Narangi Gainda (<i>Tagetes erecta</i>)	<i>The Orissa Journal of Horticulture</i> 35(2): 15-20	0.5	1
3.	Swaroop, K., Kanwar P. Singh and D.V.S. Raju	2007	Vegetative growth, flowering and seed characters of African marigold (<i>Tagetes erecta</i> Linn.) as influenced by different growth substances during mild off seasons	<i>Journal of Ornamental Horticulture</i> 10(4): 268-270	3.7	10
4.	Ritu Jain, Bhalla, R. and Dhiman, S.R.	2007	Effect of pulsing treatments on postharvest life of rose cv. First Red	<i>Journal of Ornamental Horticulture</i> 10(3): 143-147	3.7	3
5.	A. Arora, V.P. Singh, S.S.S.S.R. Voleti	2007	Oxidative stress mechanisms during flower senescence	<i>Global Science</i> 16: 1-14	-	11
6.	Dhiman, M.R and Sindhu S.S.	2007	Effect of propagation media and growth regulators on bulblet formation through scale propagation in liliium.	<i>Journal of Ornamental Horticulture</i> 10(3): 181-83	3.7	-
7.	S.S. Sindhu, M.R.C. handanie, M.A. and Dhiman	2008	Improved micro propagation in liliium hybrid var. pollyanna	<i>Indian Journal of Agriculture Sciences</i> 78(1): 34-37	6.14	-
8.	Singh, Kanwar P., T.N. Saha, K.V. Prasad, Charanjit Kaur and D.V.S. Raju	2008	Recovery of carotenoids and its fractions from marigold flowers as influenced by genotypes, grading and stage of harvest	<i>Indian Journal of Horticulture</i> 65(1): 91-93	6.7	-
9.	Singh, Kanwar P., T.N. Saha, K.V. Prasad, V.R. Sagar and D.V.S. Raju	2008	Influence of pre- treatment, drying methods and packing on retention of carotenoid pigments in dried petals of marigold	<i>Indian Journal of Horticulture</i> 65(2): 184-186	6.7	-
10.	G. Kumar, B.L. Meena, R. Kar, S.K. Tiwari, K.K. Gangopadhyay, I.S. Bisht	2008	Morphological diversity in Brinjal (<i>Solanum melongena</i> L.) germplasm accessions	<i>Plant Genetic Resources: Chracterization and Utilization</i> 6(3): 232-236	6.58	22
11.	Singh, Kanwar P., K. Ravinder Kumar, K.V. Prasad, Madan Pal and D.V.S. Raju	2008	Influence of VAM inoculation on root colonization, survival, physiological and biochemical characteristics of chrysanthemum plantlets	<i>Indian Journal of Horticulture</i> 65(4): 461-465	6.13	-



S. No.	Authors	Year	Title	Name of Journal and Volume	NAAS Score	Citation Index
12.	P Singh, D., Kumar, S., Singh, A.K. and Kumar	2008	Assessment of African marigold (<i>Tagetes erecta</i>) genotypes in Uttarakhand	<i>Journal of Ornamental Horticulture</i> 11(2): 112-117	-	2
13.	K.K. Gangopadhyay, S.K. Yadav, G. Kumar, B. L. Meena, R.K. Mahajan	2009	Correlation, path-coefficient and genetic diversity pattern in fenugreek (<i>Triogonella Foenum-graecum</i>)	<i>Indian Journal of Agriculture Sciences</i> 79(7): 521-526	6.14	11
14.	Kanwar P. Singh and Tarak Nath Saha	2009	Character association and path analysis studies in French marigold	<i>Annals of Horticulture</i> 2(1): 39-42	3.4	-
15.	Ritu Jain, K.V. Prasad and O.P. Singh	2009	Effect of different floral preservative solutions on vase life of few chrysanthemum spray cultivars	<i>Journal of ornamental Horticulture</i> 12(4): 245-50	-	-
16.	Swaroop, K.	2010	Morphological variation and evaluation of gladiolus germplasm	<i>Indian Journal of Agricultural Sciences</i> 80(8): 742-745	6.6	-
17.	Swaroop, K. and T. Janakiram	2010	Response of bio-fertilizers, FYM and their combined application with different levels of inorganic fertilizers in gladiolus (<i>Gladiolus Hybrids L.</i>)	<i>International Journal of Tropical Agriculture</i> 28(3-4): 435-438	3.03	-
18.	S.S. Sindhu, H.C.P. Jaiweera	2010	Pre and post planting performance of chrysanthemum propagated through cuttings	<i>Indian Journal of Horticulture</i> 68(1): 39-42	6.13	-
19.	N. Verma, M.K. Rana, K.S. Negi, G. Kumar, K.V. Bhat, Y.J. Park, I.S. Bisht	2010	Assessment of genetic diversity in Indian Perilla (<i>Perilla frutescenes</i> (L.) Britton] landraces using STMS markers	<i>Indian Journal of Biotechnology</i> 9: 43-49	6.39	7
20.	K.K. Gangopadhyay, R.K. Mahajan, G. Kumar, S.K. Yadav, B.L. Meena	2010	Development of core set in brinjal (<i>Solanums melongena L.</i>)	<i>Crop Science</i> 50(3): 755-762	7.58	-
21.	P. Kumar, D. Mishra, D.S. Chakraborty, B. and Kumar	2011	Pericarp browning and quality management of litchi fruit by antioxidants and salicylic acid during ambient storage	<i>Journal of Food Science & Technology</i> 50(4): 797-802	8.20	25
22.	R. Kumar, G. Kumar, T.N. Saha	2011	Seed production of flowering annuals	<i>Progressive Agriculture</i> 11: 352-355		1



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23.	M.A. Khalaj, M. Amiri and S.S. Sindhu	2011	Study on the effect of different growing media on growth and yield of Gerbera (<i>Gerbera jamesonii</i> L.)	<i>Journal of Ornamental and Horticultural Plants</i> 1(3): 185-189	-	7
24.	S.S. Sindhu and T.N. Saha	2011	Research highlights and business opportunities in floriculture	<i>Haryana J. Hort. Sci.</i> 39(1&2): 30-41	-	-
25.	Swaroop, K., T. Janakiram and P.N. Kumar	2011	Comparative performance of new gladiolus hybrids suitable for northern plains,	<i>Journal of Ornamental Horticulture</i> 14(3&4): 76-79	3.7	
26.	Kumar Rakesh, Kumar Ramesh and Kumar Prabhat	2011	Effect of integrated use of chemical fertilizers, biofertilizers and biostimulants in Gladiolus (<i>Gladiolus grandiflorus</i> L.) cv. Sancerre	<i>Progressive Horticulture</i> 43(1): 149-152	3.25	3
27.	G.J. Randhawa, M. Singh, K.K. Gangopadhyay, G. Kumar, S. Archak	2012	Genetic analysis of fenugreek (<i>Trigonella foenum-graecum</i>) accessions using morphometric and ISSR markers	<i>Indian Journal of Agriculture Sciences</i> 82(5): 393-401	6.14	-
28.	M. Arivalagan, K.K. Gangopadhyay, G. Kumar, R. Bhardwaj, T.V. Prasad	2012	Variability in mineral composition of indian eggplant (<i>Solanum melongena</i> L.) genotypes	<i>Journal of Food Composition and Analysis</i> 26(1): 173-176	7.99	11
29.	A.K. Goswami, H.S. Shukla, D.S. Kumar, P. and Mishra	2012	Effect of pre harvest application of micronutrient on quality of Guava (<i>Psidium guajava</i> L.) cv, Sardar	<i>Journal of Food Composition and Analysis</i> 1(1): 60-63	7.99	8
30.	D. S. Mishra, R. Kumar, P. and Kumar	2012	Effect of GA3 and BA on fruit weight, quality and ripening of Rose scented litchi.	<i>Hort Flora Research Spectrum</i> 1(1): 80-82	-	7
31.	R. Kumar, S. Kumar, R. Kumar, P. and Mer	2012	Comparative performance of snapdragon (<i>Antirrhinum majus</i> L.) genotypes under terai condition of Uttarakhand	<i>Journal of Scientific and Applied Research</i> 2(2): 142-147	-	2
32.	Swaroop, K., Jain Ritu and Janakiram, T.	2013	Effect of different doses of rads of gamma rays for induction of mutants in bougainvillea cultivar Mahatma Gandhi	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1245-1247	6.14	-
33.	Janakiram T., Namita, Ritu Jain, P. Pavan Kumar and Nikhil D. Narkar	2013	Fertilizer best management practices in floriculture	<i>Indian Journal of Fertilizers</i> 9(4): 160-175	3.7	-
34.	D.V.S. Raju, Namita, Kanwar Pal Singh, K.V. Prasad and T. Janakiram	2013	Self and cross- incompatibility relationship in rose (<i>Rosa hybrida</i>) varieties	<i>Current Horticulture</i> 1(2): 7-9	-	-



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35.	G. Kumar, NSivaraj, V. Kamala, K.K. Gangopadhyay, S. Pandey, S.K. Tiwari	2013	Diversity analysis in eggplant germplasm in using DIVA-GIS approach	<i>Indian Journal of Horticulture</i> 70(4): 519-525	6.13	-
36.	M. Arivalagan, K.K. Gangopadhyay, G. Kumar	2013	Determination of steroidal saponins and fixed oil content in fenugreek (<i>Trigonella foenum-graecum</i>) genotypes	<i>Indian Journal of Pharmaceutical Sciences</i> 75(1): 110	6.48	-
37.	M. Kapoor, S. Kumar, P. and Lal	2014	Gamma radiation induced variations in corn Marigold (<i>Glebionis segtum</i>) and their RAPD- based genetic relationship	<i>Indian Journal of Agriculture sciences</i> 84(7): 796-801	6.14	2
38.	Janakiram, T., Swaroop, K. and Das, T.K.	2014	Chemical weed management effects on productivity and profitability of gladiolus in North- Western Indo-Genetic plains	<i>Indian Journal of Agricultural Sciences</i> 84(8): 951-956	6.0	-
39.	Swaroop, K., Das, T.K. and Janakiram, T.	2014	Flowering and corm yield of gladiolus cv. Jyotsna as influenced by pre-emergence application of different herbicides	<i>International Journal of Tropical Agriculture</i> 32(1-2): 89-94	3.03	-
40.	Jain, R., Janakiram, T., Swaroop, K. and Kumawat, G.L.	2014	Induction of dwarfing in Bougainvillea cv. Mahara by the use of growth regulators	<i>Indian Journal of Agricultural Sciences</i> 84(7): 802-807	6.0	-
41.	Kanwar Pal Singh, D.V. S. Raju, Namita and T. Janakiram	2014	Determination of genetic variation for vegetative and floral traits in marigold (<i>Tagetes erecta</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 84(9): 1057-63	6.00	-
42.	Ritu Jain, T. Janakiram, Kanwar Pal Singh and G.L. Kumawat	2014	Effect of different floral preservatives on reducing foliage discoloration and increase vase life of chrysanthemum cv. White Regan	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1386-88	6.00	-
43.	Ritu Jain, T. Janakiram, Kanwar Pal Singh and G.L. Kumawat	2014	Effect of different floral preservatives on reduction of foliage discoloration and vase life of chrysanthemum	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1386-88	6.6	-
44.	Ritu Jain, T. Janakiram, Kishan Swaroop and G.L. Kumawat	2014	Induction of dwarfing in bougainvillea cv. Mahara by use of growth regulators	<i>Indian Journal of Agricultural Sciences</i> 84(7): 802-807	6.14	-



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45.	Ritu Jain, T. Janakiram, Kanwar Pal Singh and G.L. Kumawat	2014	Reduction of foliage discoloration and extending vase life of chrysanthemum with different floral preservatives	<i>Indian Journal of Agricultural Sciences</i> 84(10): 1250-53	6.14	-
46.	G.B. Kadam, G. Kumar, T.N. Saha, A.K. Tiwari, R. Kumar	2014	Varietal evaluation and genetic variability studies on gladiolus	<i>Indian Journal of Horticulture</i> 71(3): 379-384	6.13	-
47.	A.K. Tiwari, G. Kumar, G.B. Kadam, T.N. Saha	2014	Comparing digital image analysis and visual rating of gamma ray induced perennial rye grass mutants	<i>Hort Flora Research Spectrum</i> 3(3): 211-217	-	1
48.	G. Kumar, G.B. Kadam, T. N. Saha, K.S. Girish, A.K. Tiwar, R. Kumar	2014	Studies on floral biology of <i>malusylvestris</i> L.	<i>Indian Journal of Horticulture</i> 71(2): 295-297	6.13	-
49.	A.K. Tiwari, R. Kumar, G. Kumar, G.B. Kadam, T.N. Saha, K.S. Girish, B. Tiwari	2014	Mutagenesis and digital image analysis of mutants for quality attributes of native <i>Cynadon dactylon</i>	<i>Indian Journal of Agriculture Sciences</i> 84(6): 733-736	6.14	-
50.	Shanmugam, V., Himankshi Thakur and M.K. Singh	2015	First report of root rot caused by <i>Fusarium/solani</i> on calla lily (<i>Zantedeschia el liationa</i> (Engl.) from India	<i>Plant Disease Journal</i> 99(9): 1283	9.02	-
51.	Namita, D.V. S. Raju, K.V. Prasad, Kanwar P. Singh and Surendra Kumar	2015	Standardization of protocol for <i>in vitro</i> multiplication of rose (<i>Rosa hybrida</i> L.) cv. Happiness	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1513-17	6.14	-
52.	Sellam P., Jyoti Majumder, Puja Rai and Babita Singh	2015	Effect of plant bioregulators on the vase life of snapdragon (<i>Antirrhinum majus</i>) cut flowers	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1565-1570	6.14	-
53.	Meenakshi Basoli, Prabhat Kumar and Santosh Kumar	2015	Impact of integrated nutrient management on growth and flowering of gladiolus (<i>Gladiolus hybrid</i>) Cv. Novalux	<i>Indian Journal of Agricultural Sciences</i> 85(5): 649-54	6.14	-
54.	Swaroop, K., Jain Ritu and Janakiram, T.	2015	Effect of different doses of gamma rays for induction of mutation in bougainvillea cv. Mahatma Gandhi	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1245-1247	6.14	-
55.	Dhiman M.R., Guleria M. S., Chander Parkash, Raj Kumar	2015	Effect of Different Chemical Compounds on Leaf Chlorophyll Content and Postharvest Quality of <i>Lilium</i>	<i>International Journal of Horticulture</i> 5(18): 1-6	-	-



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56.	Chander Parkash, S.S. Dey, Raj Kumar, M.R. Dhiman, Munish Dhiman, Satish Kumar and Vinod Kumar	2015	Comparative analysis for antioxidant capacities, important plant pigments and total phenolic contents in different <i>Brassica</i> vegetables	<i>Molecular Plant Breeding</i> 6(10): 1-7	-	-
57.	Ritu Jain, T. Janakiram, Prabhat Kumar, G.L. Kumawat and Rohit Pinder	2015	Studies on post harvest attributes of tuberose as influenced by tinting with edible colours	<i>International Journal of innovative Horticulture</i> 4(2): 119-122	2.86	-
58.	Ritu Jain, T. Janakiram, T.K. Das and G.L. Kumawat	2015	Evaluation of bio efficacy and selectivity of herbicides for weed control in tuberose (<i>Polianthes tuberosa</i>) cv. Prajwal	<i>Current Horticulture</i> 5(1): 57-60	-	-
59.	Ritu Jain, T. Janakiram and G.L. Kumawat	2015	Studies on post harvest Evaluation of bio efficacy and selectivity of herbicides for weed control in tuberose (<i>Polianthes</i> as influenced by tinting with edible colours	<i>Current Horticulture</i> 3(2): 18-24	-	-
60.	Jain Ritu, and Janakiram T.	2015	Life with dignity for rag pickers of Delhi using dry flowers technology: A success Story	<i>Progressive Horticulture</i> 47(1): 175-77	3.25	-
61.	Namita, D.V.S. Raju, K.V. Prasad, Kanwar P. Singh and Surendra Kumar	2015	Standardization of protocol for <i>in vitro</i> multiplication of rose (<i>Rosa Hybrida</i> L.) cv. Happiness	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1513-17	6.14	-
62.	Jain, Ritu, Janakiram, T., Swaroop, K., Kumar, Surendra and Kumawat, G.L.	2016	Standardization of protocol for <i>in vitro</i> multiplication of bougainvillea	<i>Indian Journal of Agricultural Sciences</i> 86(4): 516-521	6.14	-
63.	Ritu Jain, T. Janakiram, Kishan Swaroop, Surendra Kumar and G.L. Kumawat	2016	Standardization of protocol for <i>in vitro</i> multiplication of bougainvillea	<i>Indian Journal of Agricultural Sciences</i> 86(4): 516-21	6.14	-
64.	Ritu Jain and T. Janakiram	2016	Effect of Aluminium sulphate and citric acid on post-harvest qualities of spray chrysanthemum (<i>Dendranthema grandiflora</i>)	<i>Current Horticulture</i> 4(1): 42-47	-	-
65.	Ritu Jain, T. Janakiram and G.L. Kumawat	2016	Effect of growth retardants on growth and flowering of bougainvillea (<i>Bougainvillea spectabilis</i>) cv. Shubhra	<i>Indian Journal of Agricultural Sciences</i> 86 (9): 1145-50	6.14	-



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66.	Ritu Jain, T. Janakiram and G.L. Kumawat	2016	Efficacy of floral preservatives stored at different temperatures and time periods on lushness retention and vase life of chrysanthemum (<i>Dendranthema grandiflora</i>) cv. Thai Chen Queen	<i>Indian Journal of Agricultural Sciences</i> 86(11): 1489-94	6.14	-
67.	Sellam P., Babita Singh, Puja Rai and Jayoti Majumder	2016	Potential of field grown sweet sultan (<i>Centaureamoschata</i>) as cut flower based on vase life	<i>Indian Journal of Agricultural Sciences</i> 4(86): 465-470	6.14	-
68.	Singh, M.K., Sanjay Kumar, Raja Ram and R. Prasad	2016	Effect of size of bulb, growing conditions and depth of planting on flower and bulb production of Asiatic hybrid lily cv. Brunello	<i>Indian Journal of Agricultural Sciences</i> 86(3): 391-93	6.14	-
69.	Singh, M.K., S.S. Sindhu and A.S. Dhama	2016	Varietal performance evaluation and impact of different level of harvesting of flower shoot on bulb production of LA hybrid lily in Northern plain conditions	<i>Indian Journal of Agriculture Sciences</i> 86(8)	6.14	-
70	Jain, R., Janakiram, T., Swaroop, K., Kumar, S. and Kumawat, G.L.	2016	Standardization of protocol for <i>in vitro</i> multiplication of bougainvillea	<i>Indian Journal of Agricultural Sciences</i> 86(4): 516-521	6.14	-
71.	Kishan Swaroop and Ritu Jain	2016	Mutation breeding and performance of induced mutants/bud sports of bougainvillea	<i>International Journal of Horticulture, Agriculture and Plant Sciences</i> 4(1): 63-72	3.29	-
72.	Vanlalruati, Mandal, T. and Pradhan, S.	2016	Genetic variability, character association and path coefficient analysis in orchids (<i>Orchid</i> spp.) of Mizoram, Sikkim and Darjeeling District of West Bengal for various quantitative traits	<i>Indian Journal of Agricultural Sciences</i> 86(3): 385-90	6.14	-
73.	R.R. Sharma, V.R. Sagar, M.R. Dhiman, K.K. Parmanick and K. Kumar	2016	Response of 'Royal Delicious' apple to the staggered pre-harvest fruit-bagging	<i>Indian Journal of Horticulture</i> 73(1)	6.11	-



Research Publications of Students

S. No.	Authors	Year	Title	Name of Journal and Volume	NAAS Score	Citation Index
1.	Bhalla, R., Shiva Kumar, M.H. and Ritu Jain	2007	Effect of organic manures biofertilizers on growth and flowering in standard Carnation (<i>Dianthus caryophyllus</i> Linn.)	<i>Journal of Ornamental Horticulture</i> 10(4): 235-239	3.7	9
2.	Bhatia R., Kanwar P. Singh and M.C. Singh	2008	Effect of growth regulators on regeneration from leaf derived callus and shoot proliferation in gerbera	<i>Indian Journal of Horticulture</i> 65(3): 314-319	6.7	6
3.	Bhatia R., K.P. Singh, T. Jhang and T.R. Sharma	2009	Assessment of clonal fidelity of micropropagated gerbera plants by ISSR markers	<i>Scientia Horticulture</i> 119: 208-211	7.5	90
4.	Namita, Kanwar P. Singh, D.V.S. Raju, C. Bharadwaj and K.V. Prasad	2009	Studies on genetic variability, heritability and genetic advance in French marigold (<i>Tagetes patula</i>) genotypes	<i>Journal of Ornamental Horticulture</i> 12(1): 30-34	3.7	2
5.	Namita, Kanwar P. Singh, C. Bharadwaj, K. V. Prasad and D.V.S. Raju.	2009	Studies on character association and path analysis of quantitative traits among parental lines of marigold (<i>Tagetes erecta</i> and <i>Tagetes patula</i>) and their interspecific F ₁ hybrids	<i>Indian Journal of Horticulture</i> 66(3): 348-352	6.7	1
6.	Madhu Bala, Kanwar P. Singh and K.V. Prasad	2010	Standardization of <i>in vitro</i> mass multiplication protocol for Hybrid Tea rose cv. Pusa Mohit	<i>Indian Journal of Horticulture</i> 67(2): 225-229	6.7	2
7.	S. Mirzaei. S.K. Singh, Kanwar P. Singh, K.V. Prasad and S.S. Sindhu	2010	<i>In vitro</i> micropropagation of miniature rose cv. Candy Sunblaze	<i>Indian Journal of Horticulture</i> 67 (Special Issue): 347-351	6.7	-
8.	Sapna Panwar, Kanwar P. Singh, Namita and Humira Sonah	2010	Genetic divergence analysis in rose (<i>Rosa hybrida</i>) using morphological markers	<i>Journal of Ornamental Horticulture</i> 13(2): 122-126	3.7	-
9.	Bhatia R., K.P. Singh T.R. Sharma and Tripta Jhang	2011	Evaluation of the genetic fidelity of <i>in vitro</i> propagated gerbera (<i>Gerbera jamesonii</i> Bolus) using DNA based markers	<i>Plant Cell Tissue & Organ Culture</i> 104: 131-135	7.5	57
10.	Namita, Kanwar P. Singh, C. Bhardwaj, T.R. Sharma, Humira Sonah, D.V.S. Raju and Rupesh Deshmukh	2011	Gene action and combining ability analysis for flower yield and its component traits in interspecific hybrids of marigold (<i>Tagetes</i> spp.)	<i>Indian Journal of Agricultural Sciences</i> 81(9): 807-811	6.6	4



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11.	Sapna Panwar, Kanwar P. Singh, K.V. Prasad, C. Tara Satyavathi and Namita	2012	Character association and path coefficient analysis in rose (<i>Rosa hybrida</i>)	<i>Indian Journal of Horticulture</i> 69(2): 231-238	6.7	-
12.	R. Bhatia, K.P. Singh and M.C. Singh	2012	<i>In vitro</i> mass multiplication of gerbera using capitulum explant	<i>Indian Journal of Agricultural Sciences</i> 82(9): 768-74	6.6	9
13.	Sapna Panwar, Kanwar P. Singh and Namita	2012	Assessment of variability, heritable components and grouping of Indian rose (<i>Rosa hybrida</i>) genotypes based on DUS guidelines	<i>Indian Journal of Agricultural Sciences</i> 82(10): 875-80	6.6	5
14.	P. Lakhotia, D.V.S. Raju, K.V. Prasad, R. Chaudhury	2012	Evaluation of rose varieties for pollen efficiency	<i>Journal of Ornamental Horticulture</i> 69(3): 374-378	-	2
15.	Chaudhary, N., Swaroop, K., Janakiram, T., Biswas, D.R. and Singh Geeta	2012	Response of INM on gladiolus for corm attributing characters and soil fertility	<i>Journal of Ornamental Horticulture</i> 15(1&2): 47-52	3.7	-
16.	Sapna Panwar, Kanwar Pal Singh, T. Janakiram and Namita	2013	Genetic variability, heritability and genetic advance in African marigold (<i>Tagetes erecta</i> L.) genotypes	<i>Progressive Horticulture</i> 45(1): 127-132	3.25	2
17.	Madhubala and Kanwar Pal Singh	2013	<i>In vitro</i> mutagenesis of rose (<i>Rosa hybrida</i> L.) explants using gamma - radiation to induce novel flower colour mutations	<i>Journal of Horticultural Science and Biotechnology</i> 88(4): 462-46	7.0	8
18.	Namita, Sapna Panwar, Humira Sonah, Kanwar P. Singh and T.R. Sharma	2013	Genetic diversity analysis of marigold genotypes using molecular markers	<i>Indian Journal of Agricultural Sciences</i> 83(5): 490-96	6.14	2
19.	Sapna Panwar, Kanwar P. Singh, T. Janakiram, C. Bharadwaj and Namita	2013	Exploitation of heterosis for growth related traits in African marigold (<i>Tagetes erecta</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 83(7): 728-33	6.14	-
20.	Madhubala, Kanwar Pal Singh, S.K. Singh and K. V. Prasad	2013	Standardization of efficient protocol for <i>in vitro</i> mass multiplication of Hybrid Tea rose cv. Raktima	<i>Indian Journal of Horticulture</i> 70(3): 404-410	6.13	2
21.	ShyamaKumari, Kanwar Pal Singh, T. Janakiram and D.V.S. Raju	2013	Standardization of <i>in vitro</i> mass multiplication protocol for Hybrid Tea rose cv. Grand Gala	<i>Indian Journal of Horticulture</i> 70(4): 560-564	6.13	-
22.	Chaudhary, N., Swaroop, K., Janakiram, T., Biswas, D.R. and Singh Geeta	2013	Effect of integrated nutrient management on vegetative growth and flowering characters of gladiolus	<i>Indian Journal of Horticulture</i> 70(1): 156-159	6.13	1



S. No.	Authors	Year	Title	Name of Journal and Volume	NAAS Score	Citation Index
23.	Madhubala and Kanwar Pal Singh	2013	<i>In vitro</i> mutagenesis of rose (<i>Rosa hybrida</i> L.) explants using gamma-radiation to induce novel flower colour mutations	<i>Journal of Horticultural Science and Biotechnology</i> 88(4): 462-468	6.59	-
24.	Sapna Panwar, Kanwar Pal Singh, Namita, T. Janakiram and C. Bharadwaj	2014	Character association and path coefficient analysis in African marigold (<i>Tagetes erecta</i> L.)	<i>Vegetos</i> 27(1): 26-32	6.0	-
25.	Jayoti Majumder, Kanwar P. Singh, S.K. Singh, K.V. Prasad and Manjusha Verma	2014	<i>In vitro</i> morphogenesis in marigold using shoot tip as explant.	<i>Indian Journal of Horticulture</i> 71(1): 82-86	6.13	-
26.	Gunjeet Kumar, Kanwar Pal Singh, K.V. Prasad, M.K. Rana, Namita and Sapna Panwar	2014	Genetic diversity analysis of chrysanthemum (<i>Chrysanthemum gradiflorum</i>) cultivars using RAPD markers	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1323-28	6.00	-
27.	K. Ravindra, Kanwar P. Singh and D.V.S Raju	2014	Symbiotic Effect of Arbuscular Mycorrhizal Fungi on Growth and Flowering of Micropropogated Plants of Chrysanthemum (<i>Chrysanthemum dendratthemum</i>)	<i>International Journal of Bio-resource and Stress Management</i> 5(3): 369-374	4.46	-
28.	Sapna Panwar, Kanwar P. Singh, Namita, T. Janakiram and C. Bharadwaj	2014	Character association and path coefficient analysis in African marigold (<i>Tagetes erecta</i> L.)	<i>Vegetos</i> 27(1): 26-32	6.04	-
29.	Madhu Bala and Kanwar Pal Singh	2015	<i>In vitro</i> mutagenesis in rose (<i>Rosa hybrida</i> L.) cv. Raktima for novel traits	<i>Indian Journal of Biotechnology</i> 14(4): 525-531	6.39	-
30.	Sapna Panwar, Kanwar Pal Singh, Namita, Humira Sonah, Rupesh K. Deshmukh and T.R. Sharma	2015	Identification and characterization of microsatellites in ESTs of <i>Rosa</i> species: Insight in development of SSR markers	<i>Indian Journal of Agricultural Sciences</i> 85(3): 429-433	6.00	-
31.	Abhay Kumar Gaurav, D. V.S. Raju, T. Janakiram, Bhupinder Singh, Ritu Jain and S. Gopalakrishnan	2015	Effect of shade levels on production and quality of cordyline (<i>Cordyline terminalis</i>)	<i>Indian Journal of Agricultural Sciences</i> 85(7): 931-5	6.14	-
32.	K. Ravindra Kumar, Kanwar Pal Singh and D.V.S. Raju	2015	Effect of different strains of Arbuscular Mycorrhizal Fungi (AMF) on macro and micro nutrient uptake in micropropagated Chrysanthemum Plantlets	<i>Vegetos</i> 28(2): 47-54	6.0	-
33.	Sapna Panwar, Kanwar Pal Singh, Humira Sonah, Rupesh Deshmukh, Namita, K.V. Prasad and T.R. Sharma	2015	Molecular fingerprinting and assessment of genetic diversity in rose (<i>Rosa hybrida</i>)	<i>Indian Journal of Biotechnology</i> 14(4): 518-524	6.14	-



S. No.	Authors	Year	Title	Name of Journal and Volume	NAAS Score	Citation Index
34.	Gunjeet Kumar, Kanwar Pal Singh, K.V. Prasad, Nidhi Verma, Namita and Sapna Panwar	2015	Characterization of chrysanthemum (<i>Chrysanthemum grandiflorum</i>) varieties using ISSR markers	<i>Indian Journal of Agricultural Sciences</i> 85(4): 566-570	6.14	-
35.	Reza Ahmadzadeh, S.S. Sindhu, K.V. Prasad, D.K. Das, and R.N. Sahoo	2015	Mapping and cataloguing of trees of IARI campus, New Delhi, India using GIS and GPS	<i>Indian Journal of Agricultural Sciences</i> 85(1): 131-136	6.14	-
36.	Henuka Rai, D.V.S. Raju, Arun Kumar, M.B., T. Janakiram, Namita, S. Gopalakrishnan and J.C. Rana	2015	Characterization and analysis of genetic diversity among different species of rose (<i>Rosa</i> species) using morphological and molecular markers	<i>Indian Journal of Agricultural Sciences</i> 85(2): 240-245	6.14	1
37.	Chander Parkash, S.S. Dey, Reeta Bhatia and M.R. Dhiman	2015	Indigenously developed SI and CMS lines in hybrid breeding of cabbage	<i>Indian Journal of Horticulture</i> 72(2): 212-217	6.11	-
38.	Kumari, Pratiksha., Swaroop, K., Janakiram, T., Singh, S.K., Prasad, K.V. and Jain Ritu	2016	<i>In vitro</i> sterilization, rooting and acclimatization of difficult - to - root bougainvillea cultivars	<i>International Journal of Bio-resource and Stress Management</i> 7(3): 412-419	4.46	-
39.	Abhay Kumar Gaurav, D. V.S. Raju, T. Janakiram, Bhupinder Singh, Ritu Jain and S. Gopala Krishna	2016	Effect of coloured shade net on production of <i>Dracaena fragrans</i>	<i>Indian Journal of Horticulture</i> 73(1): 94-96	6.14	-
40.	Pratiksha Kumari, Kishan Swaroop, T. Janakiram, S. K. Singh, K.V. Prasad and Ritu Jain	2016	<i>In vitro</i> sterilization, rooting and acclimatization of difficult - to - root bougainvillea cultivars	<i>International Journal of Bio-resource and Stress Management</i> 7(3): 412-419	4.4	-
41.	Abhay Kumar Gaurav, D. V.S. Raju, T. Janakiram, Bhupinder Singh, Ritu Jain and S Gopala Krishna	2016	Effect of coloured shade net on production and quality of <i>Cordyline</i>	<i>Indian Journal of Agricultural Sciences</i> 86(7): 865-69	6.14	-
42.	Pratiksha Kumari, Kishan Swaroop, T. Janakiram, S. K. Singh, K.V. Prasad and Ritu Jain.	2016.	<i>In-vitro</i> protocol for mass multiplication in bougainvillea (<i>Bougainvillea</i> sp) cv. Mahatma Gandhi and Refulgens	<i>Indian Journal of Agricultural Sciences</i> 86(8): 1031-36	6.14	-
43.	Madhu Bala and Kanwar Pal Singh	2016	Gamma irradiation of <i>in vitro</i> proliferated cultures of rose (<i>Rosa hybrida</i>) for induction of novel mutants	<i>Indian Journal of Agricultural Sciences</i> 86 (1):137-42	6.14	-
44.	Palmsey M. Sangama, K. P. Singh, Namita, Prabhat Kumar, V.P. Singh and R. N. Pandey	2016	Comparative performance of warm season turf grass varieties under Delhi conditions	<i>Indian Journal of Agricultural Sciences</i> 86(3): 362-68	6.14	-



Faculty Profile

(i) Professors

S. No.	Name	Period
1.	Dr. R.R. Sharma	01-11-2006 to 30-9-2008
2.	Dr. Pritam Kalia	01-10-2008 to 19-09-2010
3.	Dr. Subodh Joshi	20-09-2010 to 29-02-2012
4.	Dr. A.K. Singh	01-03-2012 to 03-09-2012
5.	Dr. A.D. Munshi	04-09-2012 to 07-09-2015
6.	Dr. S.S. Sindhu (Additional Charge)	08-09-2015 to 20-05-2016
7.	Dr. Kanwar Pal Singh	21-05-2016 till date

(ii) Heads

S. No.	Name	Period
1.	Dr. A.P. Singh	05/01/2004 to 31/01/2007
2.	Dr. K.R. Koundal	01/02/2007 to 31/05/2007
3.	Dr. M.T. Patil	31/06/2007 to 02/03/2008
4.	Dr. Krishan Pal Singh (Acting Head)	03/03/2008 to 16/08/2009
5.	Dr. T. Janakiram	17/08/2009 to 15/05/2014
6.	Dr. K.V. Prabhu	16/05/2014 to 12/01/2015
7.	Dr. S.S. Sindhu (Acting Head)	13/01/2015 to 23/02/2015
8.	Dr. S.S. Sindhu	24/02/2015 continuing

(iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. S.S. Sindhu	Ph.D.	Horticulture	7	2
2.	Dr. Kanwar Pal Singh	Ph.D.	Horticulture (Floriculture)	6	4
3.	Dr. Krishan Pal Singh	Ph.D.	Horticulture	-	-
4.	Dr. K.V. Prasad	Ph.D.	Horticulture (Floriculture)	-	-
5.	Dr. T. Janakiram	Ph.D.	Horticulture (Vegetable)	-	-
6.	Dr. Kishan Swaroop	Ph.D.	Horticulture	5	4
7.	Dr. Gunjeet Kumar	Ph.D.	Horticulture (Floriculture)	7	5
8.	Dr. M.C. Singh	Ph.D.	Horticulture (Floriculture)	4	1
9.	Dr. Prabhat Kumar	Ph.D.	Horticulture (Floriculture)	6	3
10.	Dr. Markandey Singh	Ph.D.	Horticulture	-	-
11.	Dr. D.V.S. Raju	Ph.D.	Horticulture (Floriculture)	3	0
12.	Dr. Ritu Jain	Ph.D.	Floriculture	3	1
13.	Dr. Namita	Ph.D.	Horticulture (Floriculture)	2	0
14.	Dr. Babita Singh	Ph.D.	Horticulture	0	0
15.	Dr. Sapna Panwar	Ph.D.	Horticulture (Floriculture)	2	0
16.	Dr. Vanlalruati	Ph.D.	Floriculture	1	0
17.	Dr. Pratiba Anand	Ph.D.	Horticulture (Floriculture)	1	0
IARI Regional station					
18.	Dr. Rita Bhatia	Ph.D.	Horticulture (Floriculture)	7	7
19.	Dr. R. Dhiamn	Ph.D.	Horticulture (Floriculture)	2	-



Food Science and Postharvest Technology

S.K. Jha

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1	2009	Tanmay K. Koley	Influence of cultivar variation and processing strategies on antioxidant properties of ber	C. Kaur	IARI merit Gold medal & Jawaharlal Nehru award of ICAR
2	2009	Wangdup Bhutia	Appropriate Post Harvest Managent of Sapota (<i>Manilkara achras</i> Mill.) for extending its marketable life	R.K. Pal	-
3	2010	Sacchidananda Swain	Studies on microwave assisted dehydration of sweet pepper (<i>Capsicum annum</i> L.)	D.V.K. Samuel	-
4	2011	Manish Dak	Microwave-vacuum drying of pomegranate arils	D.V.K. Samuel	-
5	2011	Sadananda G.K.	Dehydration of broccoli (<i>Brassica oleracea</i>) florets: Hybrid suitability and Technological conditions for retaining functional quality	V.R. Sagar	-
6	2011	Vishwanath S. Khandare	Antioxidants in black carrots : Processing strategies for improved stability and functional quality	C. Kaur	Jawaharlal Nehru award of ICAR
7	2012	Ajita Tiwari	Development of Iron and Protein Rich Low Cost Pearl-Millet Based Snack Through Twin Screw Extrusion	S.K. Jha	-
8	2012	Kalyani Gorrepati	Development of extruded product using carrot, pulse and maize blends	D.V.K. Samuel	-
9	2012	Kalyan Barman	Biologically sage approaches to control sapburn, chilling injury and postharvest diseases of Mango	R. Asrey	-
10	2012	Vimala Beera	Storage of aonla (<i>Emblica officinalis</i> L.) and jamun (<i>Syzygium cumini</i> L.) fruits and their utilization for development of low calorie drinks	R.K. Pal	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
11	2013	Alemwati Pongener	Development of appropriate post harvest management and processing protocols for passion fruit	V.R. Sagar	-
12	2013	Md. Jameel Jhalegar	Investigating the efficacy of eco-friendly approaches for extending the marketability of Kinnow mandarin (<i>C. nobilis</i> X <i>C. deliciosa</i>)	R.R. Sharma	-
13	2014	Swati Sharma	Post harvest interventions in the value chain of Japanese plum (<i>Prunus salicina</i> Lindell) for enhanced profitability	R.R. Sharma	-
14	2014	Kavita Bhatia	Development of protocol for minimal processing of pomegranate arils	R. Asrey	-
15	2015	Vijay Rakesh Reddy	'Response modulation of mango (<i>Mangifera indica</i> L.) to ethylene inhibitors'	R.R. Sharma	IARI Merit medal
16	2015	S. Ruth Assumi	Processing for development of fermented beverage and animal feed block from pineapple	C. Kaur	-
17	2015	Pankaj Kumar Kannaujia	Approaches to extend shelf-life minimize water loss, chilling injury and storage diseases in summer squash (<i>Cucurbita pepo</i> L.)	R. Asrey	-
18	2015	Chikanna G.S.	Development of vitamin C enriched RTE snack using cereals and aonla through twin screw extrusion	D. V.K. Samuel	-
19	2015	Darshan M.B.	Encapsulation of β -carotene with natural polysaccharides using spray freeze drying technique	A. Kar	-
20	2016	Murali S.	Encapsulation of Rice Bran Oil	A. Kar	-
21	2016	Shameena Beegum P. P.	Optimization of Processing techniques for utilization of water melon (<i>Citrullus lanatus</i>)	V.R. Sagar	-
22	2016	Kale Sakharam Jagan	Parboiling of Basmati rice (<i>Pusa Basmati 1121</i>) and it's modelling using Artificial Neural Network	S.K. Jha	-
23	2016	Sharmila Suresh Patil	Impact of extrusion processing on selected cereals and legumes: antioxidant and rheological insights for new product development	C. Kaur	-
24	2016	Prerna Nath	Valorization of red capsicum (<i>Capsicum annum</i> L.) for development of nutraceutical enriched products	C. Kaur	-
25	2016	Pankaj Panwar	Extruded Finger Millet as A Functional Ingredient For Improving Rheological and Textural Properties of Composite Chapatti	C. Kaur	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
26	2016	Kirti R. Jalgaonkar	Development of pearl millet based pasta as a functional food	S.K. Jha	-
M.Sc. Students					
1	2007	Tanmay Kumar Koley	Effect of Postharvest treatments and packaging on shelf life and quality of pointed gourd (<i>Trichosanthes dioica</i> Rexb.)	R. Asrey	-
2	2008	Kalyani Gorrepati	Modified Atmosphere Packaging of Minimally Processed Broccoli (<i>Brassica oleracea</i> L.) Florets	A. Kar	Reddy Award for best Master's Thesis
3	2008	Sasikala C.	Postharvest application impact of 1-MCP and <i>Debaryomyces hansenii</i> on storage behaviour and fruit quality of kinnow mandarin	R. Asrey	
4	2009	Kalyan Barman	Influence of polyamine and carnauba wax coating on low temperature storage behaviour of pomegranate (<i>Punica granatum</i> L.) fruit	R. Asrey	
5	2010	Kirti R. Jalgaonkar	Studies on Peel Oil Extraction From Fruits of Selected Species of Citrus Stored under Different Conditions	S.K. Jha	Reddy Award for best Master's Thesis
6	2010	Sandeep Kumar Duhan	Microwave Assisted Convective Drying of Marigold Flowers	A. Kar	
7	2010	Md. Jameel Jhalegar	Extending shelf life of kiwifruit by regulation of ripening	R.R. Sharma	-
8	2011	Swati Sharma	Extending marketability of plum by use of ethylene absorbents and 1-MCP	R.R. Sharma	-
9	2011	Swapnil Abhay Patil	Dehydration of onion (<i>Allium cepa</i> L.): Cultivar suitability and Technological Conditions for retaining functional quality	V.R. Sagar	-
10	2011	Murali S.	Encapsulation of black carrot anthocyanin using spray and freeze drying	A. Kar	-
11	2011	Manjit Mahadev Lad	Comparative Performance of different drying methods for curry leaves (<i>Murraya koenigii</i> S.)	D. V.K. Samuel	-
12	2011	Nageshvar Patel	Effect of Continuous and Two Stage Drying on the Quality of PB1 and P1121 Paddy	S.K. Jha	-
13	2012	Shakti Singh Chauhan	Development of Pearl millet Popped Snack	S.K. Jha	-
14	2012	Sharmila Suresh Patil	Rice bran stabilization by microwave heating	A. Kar	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
15	2012	Pankaj Kumar Kannaujia	Influence of sequential harvesting on postharvest quality of strawberry (<i>Fragaria x ananassa Duch.</i>) fruits	R. Asrey	-
16	2012	Aabon W. Yanthan	Development of soy-fruit blended beverages for enhanced functional quality	S. Sethi	-
17	2013	Om Prakash	Development of Breakfast Cereal	S.K. Jha	-
18	2013	Jyoti Prabhakar Dhakane	Edible coating for extending the shelf life of minimally processed diced papaya	A. Kar	-
19	2013	J. Venu Madhav	Modified atmosphere packaging of minimally processed garlic cloves	S. Sethi	-
20	2013	Hitesh Kumar	Antioxidant composition and functional quality of selected horticultural and Cereal crops in Indian diet	C. Kaur	-
21	2014	Pushpendra Kumar	Extending storage life of 'Santa Rosa' plum by edible coatings	S. Sethi	-
22	2014	Mohan Lal	Influence of Guar Gum, Cordia mixa gel coating and hot water treatments on storage behaviour of Amrapali mango fruits	R. Asrey	-
23	2014	Shrikrishna Shrinivas Nishani	Rheological characterization and resistant starch formation of finger millet and pearl millet flours during extrusion	S.G. Rudra	-
24	2015	Anamika Thakur	Mechanical Compression Characteristics of Chickpea	S.K. Jha	-
25	2015	Supriya Priyadarshini	Extraction and characterization of lycopene from papaya and grapefruit using supercritical carbon dioxide	A. Kar	IARI Gold Medal as Best students of the year
26	2015	K. Prasad	Studies on 'Lenticel browning in mango (<i>Mangifera indica</i> L.)	R.R. Sharma	-
27	2015	Nirmal Kumar Meena	Influence of tree age on postharvest quality and storage behaviour of Amrapali mango fruits	R. Asrey	-
28	2016	Shaghaf Kaukab	Development of Reconstituted Rice	S.K. Jha	-
29	2016	Puneet Kumar	Studies on thermal processing of soybean	S.K. Jha	-
30	2016	Smruthi Jayrajan	Influence of ethylene absorbents and nitrous oxide on shelf life and postharvest quality of nectarine	R.R. Sharma	-
31	2016	Gajanan A. Gundewadi	Effect of Basil Oil Based Nanoemulsion Coating on Shelf Life and Spoilage of Okra	S.G. Rudra	-



Foreign Students Awarded Degree

M.Sc. Students

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1	2015	Naseer Ahmad Haqbeen	Osmotic Dehydration of Pineapple (Ananas comosus) slices	V.R. Sagar	Afghanistan

Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1	2009	Synergistic impact of pre and post harvest practices on quality and shelf-life of fruits and vegetables	21	Dr. Ram Asrey
2	2010	Appropriate postharvest technology for fresh fruits and vegetables	15	Dr. R.K. Pal
3	2010	International Conference on Post Harvest Management and Valorization of Horticultural and Arable crops	21	Dr. R.K. Pal
4	2011	National Training Programme at PHT Div on 'Fermentation Technology with emphasis on 'Methods and scale up strategies in Fermentation'	20	Dr. Sunita Singh
5	2011	Post Harvest Management of fruits and vegetables for export	15	Dr. R.K. Pal
6	2012	Pre & Post Harvest Management of Horticultural Process for export	15	Dr. R.K. Pal
7	2012	Soynut: Processing and Packaging	8	Dr. S.K. Jha
8	2013	Recent advances in valorization of horticultural crops	23	Dr. Ram Asrey
9	2013	Post harvest management and value addition of horticulture. Produce for export	15	Dr. V.R. Sagar
10	2014	Post-harvest management and value addition of horticultural produce for export	15	Dr. V.R. Sagar
11	2014	MTC on 'Valorization of Horticultural and Arable Crops'	18	Dr. Shruti Sethi Dr. V.R. Sagar Dr. R.R. Sharma
12	2015	Development of Functional Food through extrusion processing	15	Dr. S.K. Jha
13	2015	Advances in Extrusion Processing of Food	15	Dr. S.K. Jha
14	2016	Development of Functional Ingredients for extrusion processing	19	Dr. S.K. Jha
15	2016	Extrusion Processing - Technology and Business Development	18	Dr. S.K. Jha
16	2016	Development of Healthier Baked Products: Fundamental and Technological aspects	50	Dr. S.G. Rudra



Training Received by the Faculty Members

(i) Within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1	2008	Dr. S.K. Jha	Food Safety Management System	Oct. 21-25, 2008	National Productivity Council, New Delhi
2	2008	Dr. Shruti Sethi	Rapid Methods and Automation in Microbiology	22 October, 2008	ILSI, New Delhi
3	2011	Dr. Ram Asrey	Data analysis using SAS - Training programme for researchers of NARS	6 Days	ICAR-Indian agricultural statistics Research Institute
4	2012	Dr. Shruti Sethi	Innovations in Food Processing Technology, applications and Challenges	4-5 April, 2012	IICPT, Thanjavur
5	2012	Shalini Gaur Rudra	Forecast Modeling in Agriculture	21 Days	IASRI, New Delhi
6	2013	Dr. Charanjit Kaur Dr. S.K. Jha Dr. Shruti Sethi	'Extrusion Processing- Technology, Applications and Business Development for Indian Food and Feed Market'	8-10 April, 2013	NIFTEM, Kundli
7	2013	Shalini Gaur Rudra	Cookie and Cracker Ingredients Technology	Sept. 16-18, 2013	AIBTM, Greater Noida
8	2014	Dr. Shruti Sethi	Artisan Bread Class	6-7 March, 2014	AIBTM, Greater Noida
9	2014	Shalini Gaur Rudra	'Markets, Trades and Institutions for Agricultural Development'	27 Jan. 2014-16 Feb. 2014	ICAR
10	2016	Dr. Ram Asrey	General Management Programme for Scientists	13 Days	M/o Science & Technology, New Delhi

(ii) Outside the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1	2009	Dr. S.K. Jha	Food Safety Management System ISO22000:2005 at Kuala Lumpur, Malaysia	Jan 14-20, 2009	Asian Productivity Organization, Tokyo
2	2010	Dr. Charanjit Kaur	Anti-inflammatory assays of bioactive antioxidant	2 months (15 April to 13 June 2010)	Michigan State University, USA



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
3	2010	Dr. Abhijit Kar	Application of Image Processing	4 months (1.2.2010-31.5.2010)	USA
4	2014	Dr. Sunita Singh	Fermentation	3 months (18.10.2013 to 21.1.2014)	University of North Carolina-Pembroke, North Carolina USA

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1	2015	Dr. Ram Asrey	International Conference on Innovation in Food Packaging, shelf-life and food safety	5 Days	Germany
2	2014	Dr. Ram Asrey	International Training Programme of Post Harvest Management of Horticultural crops	3 Days	South Korea
3	2008	Dr. Ram Asrey	International conference on valorization of Horticultural produce	5 Days	Pakistan
4	2011	Dr. Shruti Sethi	International Food and Nutrition Conference	3 Days	Tuskegee Univ., Tuskegee, Alabama, USA

Faculty Awards and Recognition

S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
1	2008	Dr. Charanjit Kaur	Horticulture society of India	J.C. Anand Gold medal in 2008 for outstanding contribution in the field of Post harvest Technology
2	2009	Dr. R.R. Sharma	Dr. R.N. Singh Award	IARI, New Delhi
3	2009	Dr. R.R. Sharma	Bioved Research Society, Allahabad	Fellow
4	2010	Dr. R.R. Sharma	Dr. Rajinder Prasad Award	ICAR, New Delhi
5	2012	Dr. R.R. Sharma	The Horticultural Society of India	Fellow
6	2012	Ms. Kirti R. Jalgaonkar Dr. S.K. Jha Dr. R.K. Pal Dr. Shruti Sethi	Best Paper Award	Indian Society of Agricultural Engineers
7	2013	Dr. S.K. Jha	PG School, IARI	Best Teacher Award -2012
8	2013	Dr. R.R. Sharma	Education award	MHRD, Govt. of India
9	2013	Dr. C. Kaur Dr. S.G. Rudra Dr. Shruti Sethi	Best Poster Award	Nutra India Summit



S. No.	Year	Name of the Faculty Member	Name of the Organisation/ Society Conferring Award	Nature/Description of Award
10	2014	Dr. V.R. Sagar	Horticultural Society of India.	J.C. Anand Gold Medal for significant contribution in the field of Postharvest Technology
11	2014	Dr. R.R. Sharma Dr. A.K. Dubey Dr. V.R. Sagar	Rajiv Gandhi Award	Ministry of Home Affairs, Govt. of India
12	2014	Dr. Ram Asrey	CARD, New Delhi	Agricultural Leadership Award
13	2014	Dr. Abhijit Kar	Indian Society of Agricultural Engineer (ISAE)	Distinguished service certificate
14	2015	Dr. V.R. Sagar	Fellow of Horticultural Society of India	Fellow of Horticultural Society of India
15	2015	Dr. Ram Asrey	PG School, IARI	Best Teacher Award -2014
16	2015	Dr. Ram Asrey	AIFPA, N. Delhi	S.K. Mitra Memorial Award
17	2015	Dr. Shruti Sethi	Best Review Article	Association of Food Scientists and Technologists (India)
18	2016	Dr. Ram Asrey	H.S.I., N. Delhi	J.C. Anand Gold Medal
19	2016	Dr. S.K. Jha	Fellow	Institution of Engineers (India)
20	2016	Dr. Shruti Sethi	Best Poster Award	Horticulture Society of India
21	2016	Dr. Shruti Sethi	3 rd Prize in Poster	Society of Plant Pathology
22	2017	Dr. R.R. Sharma	National Academy of Agricultural sciences	Fellow

List of Publications (Faculty and Students)

Research Publication of Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1	Suresh Kumar P. and Sagar V.R.	2009	Influence of packaging materials and storage temperature on the quality of osmo-vac dehydrated aonla segments	<i>J. Food Sci. Technol.</i> 6(3): 259-262	6.8	-
2	Koley, T.K. Asrey, Ram and Samuel, D.V.K.	2009	Impact of sanitizer and carnauba wax on quality and shelf-life of pointed gourd (<i>Trichosanthus dioica</i>)	<i>J. Food Sci. Technol.</i> 46(6): 581-584	6.8	-
3	Sagar V.R. and Suresh Kumar P.	2009	Involvement of some process variables in mass transfer kinetics of osmotic dehydration of mango slices and storage stability	<i>J. Sci. Ind. Res.</i> 68: 1043-1048	6.8	-
4	Sagar, V.R. and Rajesh Kumar	2009	Effect of packaging and storage on the quality of ginger, onion and garlic (GOG) mix powder	<i>Indian J. Hort.</i> 66(3): 367-373	6.4	-
5	Asrey R., Sasikala, C., Barman, K. and Koley, T.K.	2009	Advances in post-harvest treatments of fruits –A review	<i>Ann. Hort.</i> 1(1): 1-10	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
6	Suresh Kumar P., Sagar. V.R.	2009	Effect of osmosis on chemical parameters and sensory attributes of mango, guava slices and aonla segments	<i>Indian J. Hort.</i> 66(1): 53-57	6.4	-
7	Koley, T.K., Walia, S., Nath, P. and Kaur, C.	2010	Nutraceutical composition of Indian ber: Effect of enzyme assisted processing	<i>Intl J. Food Sci. Nutr.</i> 23: 1-4	7.26	-
8	Phong, N.V., Sagar, V. R. and Singh, S.K.	2010	Value addition through blending in Langra mango pulp for β -carotene	<i>Indian J. Hort.</i> 67(4): 478-481	6.13	-
9	Sagar, V.R. and Suresh Kumar P.	2010	Recent advances in drying and dehydration: A Review	<i>J. Food Sci. Technol.</i> 47(1): 15-26	8.02	-
10	Udal Singh and Sagar V.R.	2010	Quality characteristics of dehydrated leafy vegetables influenced by packaging materials and storage temperature	<i>J. Sci. Ind. Res.</i> 69: 785-789	6.49	-
11	Rudra S.G., Chhibber, S. & Shivhare, U.S.	2010	Thermal death kinetics of <i>B. stearothermophilus</i> in coriander leaf puree	<i>Biosystems Engineering</i> 106(4): 544-550	7.87	-
12	Barman, K. Asrey, R., Pal, R.K., Kaur C., Jha, S.K.	2011	Influence of putrescine and carnauba wax on functional and sensory quality of pomegranate fruits during storage	<i>J. Food Sci. Technol.</i> DOI: 10.1007/s13197-011-0483-0	8.02	-
13	Barman, Kalyan, Asrey, Ram and Pal, R.K.	2011	Putrescine and carnauba wax pretreatments alleviate chilling injury, enhance shelf life and preserve pomegranate fruit quality during cold storage	<i>Scientia Horticulturae</i> 130: 795-800	7.50	-
14	Jhalegar, M., Sharma, R.R., Pal, R.K., Arora, A. and Dahuja, A.	2011	Analysis of physiological and biochemical changes in kiwifruit (<i>Actinidia deliciosa</i> cv. allison) after the postharvest treatment with 1-Methylcyclopropene	<i>J. Plant Biochem. Biotechnol.</i> 20(2): 205-210	6.81	-
15	Khandare, V., Kaur, C., Walia, S. and Singh M.	2011	Black carrot (<i>Daucus carota</i> ssp. sativus) juice: Processing effects on antioxidant composition and colour	<i>Food and Bioproduct Processing</i> 89: 482-486	7.86	-
16	Koley, T.K., Walia, S., Nath, P. and Kaur, C.	2011	Nutraceutical composition of Indianber: Effect of enzyme assisted processing	<i>Intl. J. Food Science and Nutrition</i> 62: 276-279	7.26	-
17	Uadal Singh, Sagar, V.R. and Ram Asrey	2011	Influence of slice thickness on quality of dehydrated bittergourd rings	<i>Indian Journal of Horticulture</i> 68(2): 283-285	6.13	-
18	Jhalegar, M.J., Sharma, R.R. and Pal, R.K.	2012	Post-harvest treatments of polyamines influence shelf-life and quality of kiwifruit (<i>Actinidia deliciosa</i>)	<i>Indian J. Agric. Sci.</i> 82: 81-84	6.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
19	Jha, S.K., Patel, N., Jagan, S.K., R.K. Pal, Kaur, C., Sinha, J.P.	2012	Optimization of drying process for PB1121 variety of paddy	<i>Quality Assurance and Safety of Crops & Foods</i> 4(3): 142-142	6.89	-
20	Rudra, S.G., Jha, S.K., Sethi, S., Gupta, S. and Pal, R.K.	2012	Inactivation of trypsin inhibitor in soybeans through microwaves: A kinetics approach	<i>International Journal of Agriculture and Food Science Technology</i> 3(3): 230-233	7.24	-
21	Sharma, S., Sharma, R.R., Pal, R.K., Paul, V. and Dahuja, A.	2012	1-Methylcyclopropene influences biochemical attributes and fruit softening enzymes of 'Santa Rosa' Japanese plum (<i>Prunus salicina</i> Lindl.)	<i>J. Plant Biochem. Biotechnol.</i> 21(2): 295-299	6.81	-
22	Jhalegar, M.J., Sharma, R.R., Pal, R.K. and Sharma, S.	2012	Effect of 1-MCP on shelf-life and quality of kiwifruit stored under ambient conditions	<i>Indian J. Hort.</i> 69(2): 258-262	6.13	-
23	Jhalegar, Md. J., Sharma, R.R., Pal, R.K. and Rana, V.	2012	Effect of postharvest treatments with polyamines on physiological and biochemical attributes of kiwifruit (<i>Actinidia deliciosa</i>) C.V. Allison	<i>Fruits</i> 67(1): 13-22	6.79	-
24	Sharma, S., Sharma, R.R., Pal, R.K., Jhalegar, M.D., Singh, J., Srivastav, M. and Dhiman, M.R.	2012	Ethylene absorbents influence fruit firmness and activity of enzymes involved in fruit softening of Japanese plum (<i>Prunus salicina</i> Lindell) cv. Santa Rosa	<i>Fruits</i> 67: 257-266	6.80	-
25	Swain Sachidananda, Samuel D.V.K., Bal Lalit M., Kar Abhijit, Sahoo, G.P.	2012	Modeling of Microwave Assisted Drying of Osmotically Pretreated Red Sweet Pepper (<i>Capsicum annum</i> L.)	<i>Food Sci. Biotechnol.</i> 21(4): 969-978	6.70	-
26	Sharma, S., Sharma, R.R. and Pal, R.K.	2013	Effect of ethylene absorbents on compression injury and quality of Santa Rosa plum (<i>Prunus salicina</i>) during transportation	<i>Indian J. Agric. Res.</i> 83(2): 223-226	6.14	-
27	Sharma, S., Sharma, R.R., Pal, R.K. and Singh, S.K	2013	Influence of 1-MCP on compression injury, fruit firmness and quality of Japanese plum cv. Santa Rosa during transportation	<i>Indian J. Hort.</i> 70(1): 101-106	6.13	-
28	Jalgaonkar Kirti R., Jha S.K., Pal R.K., Jha G.K. and Samuel D.V.K.	2013	Effect of species and particle size on essential oil yield of citrus peel (<i>Citrus</i> spp.)	<i>Indian Journal of Agricultural Sciences</i> 83(12): 1285-88	6.14	-



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29	Sharma, S., Sharma, R.R. and Pal, R.K.	2013	Effect of ethylene absorbents on compression injury and quality of Santa Rosa plum (<i>Prunus salicina</i>) during transportation	<i>Indian J. Agric. Res.</i> 83(2): 223-226	6.14	-
30	Sharma, S., Sharma, R.R., Pal, R.K. and Singh, S.K.	2013	Influence of 1-MCP on compression injury, fruit firmness and quality of Japanese plum cv. Santa Rosa during transportation	<i>Indian J. Hort.</i> 70(1): 101-106	6.13	-
31	Kale, S.J., Jha, S.K., Jha, G.K., and Samuel, D.V.K.	2013	Evaluation and Modelling of Water Absorption Characteristics of Paddy	<i>Journal of Agricultural Engineering</i> 50(3): 29-38	5.59	-
32	Swain Sachidananda, Samuel D.V.K., Bal Lalit M., Kar Abhijit	2013	Thermal kinetics of colour degradation of yellow sweet pepper (<i>Capsicum annum</i> L.) undergoing microwave assisted convective drying	<i>Int. J. Food Properties</i> DOI:10.1080/10942912.2013.775150	6.88	-
33	Swain Sachidananda, Samuel D.V.K. and Kar Abhijit	2013	Effect of Packaging Materials on Quality Characteristics of Osmotically Pretreated Microwave Assisted Dried Sweet Pepper (<i>Capsicum annum</i> L.)	<i>J. Food Processing & Technol.</i> 4(9): 4-9	6.45	-
34	Asrey, Ram, Pal, R.K. Patel V.B. and Barman K.	2013	Pruning affects fruit yield and postharvest quality in mango (<i>Mangifera indica</i> L.) cv. Amrapali	<i>J. Fruit</i> 68(5): 368-380	6.80	-
35	Barman, K., Asrey, Ram and Pal, R.K.	2013	Influence of different De-sapping agents on the incidence of sap-burn, ripening behaviour and quality of mango	<i>Journal of Food Science and Technology</i> DOI: 10.1007/s13197-013-0995-x	8.02	-
36	Bhatia, K., Asrey, Ram, Jha, S.K., Singh S. and Kannaujia, P.	2013	Influence of packaging material on quality characteristics of minimally processed Mridula pomegranate	<i>Journal of Agril. Sci.</i> 83(8): 872-76	6.00	-
37	Tiwari, A., Jha, S.K., Pal, R.K., Sethi, S. and Lal Krishan	2014	Effect of pre-milling treatments on storage stability of pearl millet flour	<i>Journal of Food Processing and Preservation</i> 38(3): 1215-1223	7.16	-
38	Sharma, R.R., Reddy, V.R., and Jhalegar, M.J.	2014	Pre-harvest fruit bagging: a useful approach for plant protection and improved post-harvest fruit quality – a review	<i>J. Hort. Sci. Biotechnol.</i> 89(2): 101-113	6.80	-
39	Pongener, A., Sagar, V.R., Asrey, R., Sharma, R.R. and Singh, S.K.	2014	Physiological and quality changes during postharvest ripening of purple passion fruit (<i>Passiflora edulis</i> Sims)	<i>Fruits</i> 69: 19-30	6.80	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
40	Jhalegar, M.J., Sharma, R.R. and Singh, D.	2014	Antifungal efficacy of botanicals against major postharvest pathogens of Kinnow mandarin and their use to maintain postharvest quality	<i>Fruits</i> 69(3): 223-237	8.02	-
41	Sharma, R.R., Pal, R.K., Singh, D., Samuel, D.V.K., Sethi, S. and Kumar, A.	2013	Evaluation of heat shrinkable films for shelf life, and quality of individually wrapped Royal Delicious apples under ambient conditions	<i>J. Food Sci. Technol.</i> 50(3): 590-594	7.12	-
42	Nishani, S.S., Rudra, S.G., Datta, S.C., Kaur, C. Sen, S.	2014	Phenolics, Antioxidant and Pasting properties of various Pearl Millet and Finger Millet varieties varying in Amylose Content	<i>Vegetos</i> 27: 1-4	6.02	-
43	Pongener A., Sagar V.R., Pal R.K., Asrey Ram, Sharma R.R., Singh S.K.	2014	Physiological and quality changes during postharvest ripening of purple passion fruit (<i>Passiflora edulis</i> Sims)	<i>Fruits</i> 69(1): 19-30	6.8	-
44	Suresh Kumar P., Sagar V.R.	2014	Physico-Chemical characteristics of osmosed mango, guava and aonla using different drying techniques	<i>J. Agric. Engng.</i> 51(1): 31-36	4.27	-
45	Assumi Ruth, Pal R.K., Kaur C.	2014	Physico-chemical characteristics and sensory quality of pineapple vermouth	<i>Indian J. Hort.</i> 71: 402-407	6.13	-
46	Nishani, S.S. Rudra, S.G., Datta, S.C., Kaur, C.	2014	Pasting properties of various finger millet and pearl millet varieties as affected by their native amylose content	<i>Intl. J. Agric. and Food Sci. & Technol.</i> 5: 781-794	4.5	-
47	Barman Kalyan, Asrey Ram, Pal R.K., Jha S.K.	2014	Post-harvest nitric oxide treatment reduces chilling injury and enhances the shelf-life of mango (<i>Mangifera indica</i> L.) fruit during low-temperature storage	<i>J. Hort. Sci. Biotech.</i> 89(3): 253-260	6.51	-
48	Pankaj K., Asrey Ram, Jha S.K.	2014	Cultivars and sequential harvesting influences physiological and functional quality of strawberry fruits	<i>Fruits</i> 69(3): 239-246	6.8	-
49	Barman Kalyan, Asrey Ram	2014	Salicylic acid pre-treatment alleviates chilling injury, preserves bioactive compounds and enhances shelf life of mango fruit during cold storage	<i>J. Scientific Indus. Res.</i> 73: 713-718	6.5	-
50	Sharma R.R., Reddy V.R., Jhalegar M.J.	2014	Pre-harvest fruit bagging: a useful approach for plant protection and improved post-harvest fruit quality – a review	<i>J. Hort. Sci. Biotechnol.</i> 89(2): 101-113	6.51	-
51	Pongener P., Sagar V.R., Pal R.K., Asrey Ram, Sharma R.R., Singh S.K.	2014	Physiological and quality changes during postharvest ripening of purple passion fruit (<i>Passiflora edulis</i> Sims)	<i>Fruits</i> 69(1): 19-30	6.8	-



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52	Sharma R.R., Jhalegar M.J., Jha S.K., Rana V.	2014	Genotypic variation in total phenolics, antioxidant activity, enzymatic activity and quality attributes among kiwifruit cultivars	<i>J. Plant Biochem. Biotechnol.</i> 114: 119	6.81	-
53	Jhalegar M.J., Sharma R.R., Singh D.	2014	Antifungal efficacy of botanicals against major postharvest pathogens of Kinnow mandarin and their use to maintain postharvest quality	<i>Fruits</i> 69(3): 223-237	6.80	-
54	Chauhan S.S., Jha S.K., Jha G.K., Sharma D.K.	2014	Water Absorption Kinetics of Pearl Millet Grains	<i>Journal of Agricultural Engineering</i> 51(1): 8-16	5.59	-
55	Chauhan S.S., Jha S.K., Jha G.K., Sharma D.K., Satyavathi T., Kumari Jyoti	2015	Germplasm screening of pearl millet (<i>Pennisetum glaucum</i>) for popping characteristics	<i>Indian J Agril. Sci.</i> 85(3): 344-348	6.14	-
56	Murali S., Kar Abhijit, Mohapatra D., Kalia P.	2014	Encapsulation of black carrot juice using spray and freeze drying	<i>Food Sci. Technol. Intl.</i> , pp. 1-9. DOI: 10.1177/1082013214557843	7.22	-
57	Madhav J.V., Sethi S., Kaur C.	2014	Physical, physiological and biochemical characterization of garlic cultivars	<i>Progressive Research</i> 5(5): 1204-1206	3.16	-
58	Nishani S.S., Rudra S.G., Datta S.C., Kaur C.	2014	Pasting properties of various finger millet and pearl millet varieties as affected by their native amylose content	<i>Int. J. Agric. Food Sci. Technol.</i> 5(7): 781-794	-	-
59	Bhatia K., Asrey Ram, Varghese E.	2015	Correct packaging retained phytochemical, antioxidant properties and increases shelf life of minimally processed pomegranate (<i>Punica granatum</i> L.) arils Cv. Mridula	<i>J. Scientific Indus. Res.</i> 74: 141-144	6.5	-
60	Suresh Kumar P., Sagar V.R.	2015	Effect of Packaging Materials and Storage Temperature on quality of Osmo-vac Dehydrated Guava Slices During Storage. Proc. Natl. Acad. Sci. India, Sect. B.	<i>Bio. Sci.</i> DOI 10.1 007/s 40011-015-0545-6	6.4	-
61	Bhatia, K., Asrey, R., and Varghese, E.	2015	Correct packaging retained phytochemical, antioxidant properties and increases shelf life of minimally processed pomegranate (<i>Punica granatum</i> L.) arils Cv. Mridula	<i>J. of Scientific & Industrial Research</i> (74): 141-144	6.50	-
62	Sharma, R.R., Reddy, S.V.R. and Datta, S.C.	2015	Particle films and their applications in horticultural crops	<i>App. Clay Sci.</i> 116-117: 54-68	7.64	-



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63	Sharma, R.R., Jhalegar, M.J., Jha, S.K and Rana, V.	2015	Genotypic variation in total phenolics, antioxidant activity, enzymatic activity and quality attributes among kiwifruit cultivars	<i>J. Plant Biochem. Biotechnol.</i> 24(1): 114-119	7.01	-
64	Reddy, S.V.R., Sharma, R.R., Barthakur, S. and Srivastav, M.	2015	An efficient and rapid method for the isolation of RNA from different recalcitrant tissues of mango (<i>Mangifera indica</i> L.)	<i>J. Hort. Sci. Biotechnol.</i> 90(3): 285-290	6.54	-
65	Jhalegar, Md. J., Sharma, R.R. and Singh, D.	2015	In vitro and in vivo activity of essential oils against major postharvest pathogens of Kinnow (<i>Citrus nobilis</i> × <i>C. deliciosa</i>) mandarin	<i>J. Food Sci. Technol.</i> 52(4): 2229-2237	8.22	-
66	Sharma, S. and Sharma, R.R.	2015	Nitric oxide inhibits activities of PAL and PME enzymes and reduces chilling injury in 'Santa Rosa' Japanese plum (<i>Prunus salicina</i> Lindell)	<i>J. Plant Biochem. Biotechnol.</i> 24(3): 292-297	7.01	-
67	Jhalegar, Md. J., Sharma, R.R. and Singh, S.K.	2015	Effect of surface coatings on postharvest quality of Kinnow mandarin	<i>Indian J. Hort.</i> 72(2): 267-272	6.14	-
68	Sharma, S., Sharma, R.R. and Verma, M.K.	2015	Postharvest treatment with nitric oxide influences the physiological and quality attributes of 'Santa Rosa' plums during cold storage	<i>Indian J. Hort.</i> 72(4): 535-540	6.14	-
69	Arun Kumar, T.V., Samuel, D.V.K., Jha, S.K. and Sinha J.P.	2015	Twin Screw Extrusion of Sorghum and Soya Blends: A Response Surface Analysis	<i>Journal of Agricultural Science and Technology</i> 17: 649-662	6.68	-
70	Kale, S.J., Jha, S.K., Jha, G.K., Sinha. J.P., Lal, S.B.	2015	Soaking Induced Changes in Chemical Composition, Glycemic Index and Starch Characteristics of Basmati Rice	<i>Rice Science</i> 22(5): 227-236	4.59	-
71	Kumari, Jyoti, Chauhan, S.S., Jha, S.K., Pandey, S., Satyavathi, Tara C. and Dutta, M.	2015	Identification of pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.) germplasm with unique popping quality in the national genebank collections of India	<i>Indian Journal of Genetics and Plant Breeding.</i> 75(1): 128-131	6.19	-
72	Singh Braj Bhushan, Shakil Najam Akhtar, Kumar Jitendra, Walia Suresh, Kar Abhijit	2015	Development of slow release formulations of β -carotene employing amphiphilic polymers and their release kinetics study in water and different pH conditions	<i>J. Food Sci. Technol.</i> 52(12): 8068-8076	8.20	-
73	Murali S., Kar Abhijit, Mohapatra D., Kalia P.	2015	Encapsulation of black carrot juice using spray and freeze drying	<i>Food Sci. Technol. Intl.</i> 21(8): 604-612	7.22	-



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75	Darshan M.B., Kar Abhijit, Mohapatra Debabandya	2015	Development of spray freezer for production of freeze granulation	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1523-1528	6.14	-
74	Patil Sharmila S., Kar Abhijit, Mohapatra Debabandya	2016	Stabilization of Rice Bran using Microwave: Process Optimization and Storage Studies	<i>Food & Bioproducts Processing</i> DOI: 10.1016/j.fbp.2016.05.002	8.74	-
76	Barman, K., Asrey, R., and Sharma, S.	2016	Harnessing nitrous oxide in post-harvest management of fresh horticultural produce	<i>Indian Journal of Agricultural Sciences</i> 86(4): 435-40	6.14	-
77	Priyadarshani Supriya, Kar Abhijit	2016	Studies on Lycopene Extracted from Grapefruit during Storage	<i>Indian Hort. J.</i> 6(1): 45-47	3.41	-
78	Reddy, V.R.S. and Sharma, R.R.	2016	Effect of pre-harvest application of salicylic acid on the postharvest fruit quality of the 'Amrapali' mango (<i>Mangifera indica</i>)	<i>Indian J. Agric. Sci.</i> 86(6): 727-731	6.18	-
79	Prasad K. and Sharma, R.R.	2016	Screening of mango (<i>Mangifera indica</i>) genotypes for the incidence of lenticel browning—a new postharvest problem	<i>Indian J. Agric. Sci.</i> 86(9): 1169-1171	6.18	-
80	Prasad K., Sharma, R.R. and Srivastav, M.	2016	Postharvest treatment of antioxidant reduces lenticel browning and improves cosmetic appeal of mango (<i>Mangifera indica</i> L.) fruits without impairing quality	<i>J. Food Sci. Technol.</i> 53(7): 2995-3001	8.22	-
81	Jalgaonkar, K.R., Jha, S.K., Sharma, D.K.	2016	Effect of thermal treatments on the storage life of pearl millet flour	<i>Indian Journal of Agricultural Sciences</i> 86(6): 762-767	6.18	-
82	Jalgaonkar, Kirti, Jha, S.K.	2016	Influence of particle size and blend composition on quality of wheat semolina-pearl millet pasta	<i>Journal of Cereal Science</i> 71: 239-245	8.09	-

Research Publications of Faculty Members

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Kaur, Charanjit, Kumar, K., Dahuja, A. and Kapoor, H.C.	2007	Variation in antioxidant activity in some cultivars of broccoli	<i>J. Food Biochem.</i> 31: 621-638	7.3	-
2.	Deepa, N., Kaur, Charanjit, George, B., Singh, B. and Kapoor H.C.	2007	Antioxidant constituents in some sweet pepper (<i>Capsicum annuum</i> L.) genotypes during maturity	<i>LWT Food Sci. & Technol.</i> 40: 121-129	7.8	-



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3.	Kaur, Charanjit, George, B., Jaggi, S., Kapoor, H.C.	2007	Viscosity and quality of tomato juice as affected by processing methods	<i>Journal of Food Quality</i> 30: 864-877	7.0	-
4.	Sethi, V., Vasudeva K.R., Sethi, S. and Singh, G.	2007	Diversified use of guava to combat malnutrition Proceedings of the International Guava Symposium	<i>Acta Horticulture</i> 735	-	-
5.	Jha, S.K. and Singh, A.	2007	Physical and Thermal Properties of Untreated and Chemically Treated Rice Husk	<i>J. Agril. Engg.</i> 44(4): 48-53	5.59	-
6.	Jha, S.K., Singh, A., and Kumar, A.	2008	Physical Characteristics of Compressed Cotton Stalks	<i>Biosystems Engg.</i> 99(2): 205-210	7.62	-
7.	Jha, S.K., Singh, A., Kumar, A. and Panwar, J.S.	2008	Development of High Capacity Fodder Densification Machine. Agricultural Mechanization in Asia	<i>Africa and Latin America</i> 39(3): 33-36	6.01	-
8.	Sethi S, Samuel D.V.K. and Lal, K.	2008	Interrelationship between cooking time and some physico-chemical characteristics in pigeon pea (<i>Cajanus cajan</i>) genotypes	<i>J. Agric. Engg.</i> 45: 62-65	5.59	-
9.	Sharma, R.R., Singh, R. and Gupta, R.K.	2008	Row covers influence leaf physiology and physiological parameters in Sweet Charlie strawberry	<i>Fruits</i> 63: 143-150	6.81	-
10.	Kaur, Charanjit, Joshi, S. and Kapoor, H.C.	2008	Antioxidants in onions	<i>J. Food Biochem.</i> 33: 184-200	7.3	-
11.	Singh, D. and Sharma, R.R.	2009	Post-harvest behaviour of peaches (<i>Prunus persica</i>) pre-treated with antagonist, <i>D. hansenii</i> and calcium chloride	<i>Indian J. Agric. Sci.</i> , 79(9): 674-678	6.6	-
12.	Sharma, R.R., Singh, D. and Singh, R.	2009	Studies on transportation losses in apples packed in different containers.	<i>Indian J. Hort.</i> 66(2): 245-248	6.4	-
13.	Sharma R.R., Pal R.K., Singh D., Samuel, D.V.K., Kar Abhijit and Asrey Ram	2010	Storage life and fruit quality of individually shrink-wrapped apples (<i>Malus domestica</i>) in zero energy cool chamber	<i>Indian J. Agric. Sci.</i> 80(4): 338- 341	6.00	-
14.	Sharma, R.R., Singh, D.	2010	Effect of different packing materials on shelf life and quality of apple during storage	<i>Indian J. Hort.</i> 67(1): 94	6.13	-
15.	Sharma, R.R. and Singh, D.	2010	Phenolic content pattern, polyphenol oxidase and lipoxygenase activity in relation to albinism, fruit malformation and nubbins production in strawberry (<i>Fragaria x ananassa</i> Duch.)	<i>J. Plant Biochem. Biotechnol.</i> 19(1): 67	6.81	-
16.	Lalit, M.B., Kar, A., Satya, S. and Naik, S.N.	2010	Drying kinetics and effective moisture diffusivity of bamboo sjoott slices undergoing microwave drying	<i>Intl. J. Food Sci. Technol.</i> 45: 2321-2328	7.26	-
17.	Sharma, R.R., Pal, R.K., Singh, D., Samuel, D.V.K., Kar, A. and Asrey, R.	2010	Storage life and fruit quality of individually shrink-wrapped apples (<i>Malus domestica</i>) in zero energy cool chamber	<i>Indian J. Agric. Sci.</i> 80(4): 338-341	6.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
18.	Sharma, R.R., Singh, D.	2010	Effect of different packing materials on shelf life and quality of apple during storage	<i>Indian J. Hort.</i> 67(1): 94-104	6.13	-
19.	Sharma, R.R., Singh, D., Singh, R., Singh, D.B. and Saharan, V.K.	2010	Effect of modified atmospheric packing on the quality and shelf-life of apple (<i>Malus domestica</i>)	<i>Indian J. Agric. Sci.</i> 80(3): 22-226	6.00	-
20.	Walia, S., Meenakshi Singh, Charanjit Kaur, Raj Kumar, Subodh Joshi	2010	Antioxidant composition of red and orange cultivars of tomatoes (<i>Solanum lycopersicon</i> L): A comparative evaluation	<i>J. Plant Biochem. Biotechnol.</i> 19: 95-97	6.81	-
21.	Singh, Meenakshi, Shweta Walia, Charanjit Kaur, Raj kumar and Subodh Joshi	2010	Processing characteristics of some tomato (<i>Solanum lycopersicon</i> L.) cultivars	<i>Indian J. Agri. Sci.</i> 80: 174-176	6.00	-
22.	Jayachandran K.S., Sethi V., Sethi S. and Singh, G.	2011	Standardization of a method for the development of hurdle processed bitter gourd rings	<i>Ind. J. Hort.</i> 86(2): 250-254	6.13	-
23.	Eric Moreau, Floyd Inman, III, Sunita Singh, Heather Walters and Leonard Holmes	2011	Remote Control of Fed-Batch Fermentation Systems	<i>J. Chem. Chem. Eng.</i> 5: 897-902	6.28	-
24.	Sethi S., Srivastav M., Samuel D.V.K., Singh A.K., Dubey A.K. and Singh G.	2011	Evaluation of newly developed mango (<i>Mangifera indica</i>) hybrids for their storage behaviour and peel colour	<i>Ind. J. Agric. Sci.</i> 81(3): 252-255	6.00	-
25.	Sharma R.R., Pal R. K., Singh D., Samuel D.V.K., Sethi S., Kumar A.	2011	Evaluation of heat shrinkable films for shelf life and quality of individually wrapped Royal Delicious apples under ambient conditions	<i>J. Fd. Sci. Tech.</i> March 2011 published online	8.02	-
26.	Singh, D. and Sharma, R.R.	2011	Beneficial effects of pre-harvest carbendazim and calcium nitrate sprays in Kinnow (<i>C. nobilis</i> x <i>C. deliciosa</i>) storage	<i>Indian J. Agric. Sci.</i> 81(5): 470-472	6.00	-
27.	Sharma, R.R., Pal, R.K. and Rana, V.	2012	Effect of heat shrinkable films on storability of kiwifruits under ambient conditions	<i>Indian. J. Hort.</i> 69(3): 404-408	6.13	-
28.	Sunita Singh, Moreau Eric, Inman Floyd and Holmes D. Leonard	2012	Characterization of <i>Photorhabdusluminescens</i> Growth for the Rearing of the Beneficial Nematode <i>Heterorhabditis bacteriophora</i>	<i>Indian J. Microbiol.</i> 52(3): 325-331	6.46	-
29.	Floyd L. Inman III, Sunita Singh and Leonard D. Holmes	2012	Mass Production of the Beneficial Nematode <i>Heterorhabditis bacteriophora</i> and Its Bacterial Symbiont <i>Photorhabduslum inescens</i>	<i>Indian J. Microbiol.</i> 52(3): 316-324.[Online first 10.1007/s12088-012-0270-2	6.46	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
30.	Sharma, R.R, Jhalegar, M.J. and Pal, R.K.	2012	Response of kiwifruit (<i>Actinidia deliciosa</i> cv. Allison) to post-harvest treatment with 1-methylcyclopropene	<i>J. Hortic. Sci. Biotechnol.</i> 87(3): 278-284	6.51	-
31.	Sharma, R.R, Pal, R.K., Singh, D., Singh, J., Dhiman, M.R. and Rana, M.R.	2012	Relationships between storage disorders and fruit calcium contents, lipoxygenase activity, and rates of ethylene evolution and respiration in 'Royal Delicious' apple (<i>Malus domestica</i> Borkh.)	<i>J. Hortic. Sci. Biotechnol.</i> 87(4): 367-373	6.51	-
32.	Patel Krishna Kumar and Kar Abhijit	2012	Heat pump assisted drying of agricultural produce – an overview	<i>J. Food Sci. & Technol.</i> 49(2): 142-160	8.22	-
33.	Patel Krishna Kumar, Kar Abhijit, Jha S.N. and Khan M.A.	2012	Machine vision system: a tool for quality inspection of food and agricultural products	<i>J. Food Sci. & Technol.</i> 49(2): 123-141	7.12	-
34.	Sharma, R.R., Pal, R.K., Singh, D., Samuel, D.V.K., Sethi, S. and Kumar, A.	2013	Evaluation of heat shrinkable films for shelf life, and quality of individually wrapped Royal Delicious apples under ambient conditions	<i>J. Food Sci. Technol.</i> 50(3): 590-594	8.02	-
35.	Charanjit Kaur, Shweta Nagal, Jyoti Nishad, Ravinder Kumar & Sarika	2014	Evaluating eggplant (<i>Solanum melongena</i> L.) genotypes for bioactive properties: A chemometric approach	<i>Food Research International</i> 60: 205-211	9.0	-
36.	Koley, T.K., Singh, S., Khemariya, P., Sarkar, A., Kaur, Charanjit, S.N.S. Chaurasia & P.S. Naik	2014	Evaluation of bioactive properties of Indian carrot (<i>Daucus carota</i> L.): A chemometric approach	<i>Food Research International</i> 60: 76-85	9.0	-
37.	Kaur Charanjit, Pal R.K., Kar Abhijit, Gadi Chirag, Sen Sangita, Kumar Praveen, Chandra Ram, Jaiswal Sarika, Khan Islam	2014	Characterization of Antioxidants and Hypoglycemic Potential of Pomegranate Grown in India: A Preliminary Investigation	<i>J. Food Biochem.</i> 38(4): 397-406	6.85	-
38.	Sharma R.R., Pal R.K., Sagar V.R., Parmanick K.K., Paul V., Gupta V.K., Kumar K., Rana M.R.	2014	Impact of pre-harvest fruit-bagging with different coloured bags on peel colour and incidence of insect pests, disease and storage disorders in 'Royal Delicious' apple	<i>J. Hortic. Sci. Biotechnol.</i> 89(6): 613-618	6.51	-
39.	Kaur C., Nagl Shweta, Nishad Jyoti, Kumar R., Sarika	2014	Evaluating eggplant (<i>Solanum melongena</i> L) genotypes for bioactive properties: A chemometric approach	<i>Food Res. Intl.</i> 60: 205-211	9.05	-
40.	Patel K.K., Khan M.A., Kar Abhijit	2015	Recent developments in applications of MRI techniques for foods and agricultural produce—an overview	<i>J. Food Sci. Tech. Mys.</i> 52(1): 1-26	8.20	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
41.	Mohapatra Debabandya, Kar Abhijit, Giri S.K.	2015	Insect Pest Management in Stored Pulses: an Overview	<i>Food Bioprocess Tech.</i> 8(2): 239-265	8.69	-
42.	Sagar V.R.	2015	Effect of drying and storage on quality characteristics of aonla leather	<i>Indian J. Hort.</i> 72(3): 402-407	6.13	-
43.	Sagar, V.R., Kalia Pritam	2015	Evaluation of temperate carrot genotypes for quality attributes	<i>Indian J. Hort.</i> 72(1): 114-116	6.13	-
44.	Sagar, V.R.	2015	Effect of Drying Methods and Storage on Quality of Ready-to-eat. Dehydrated Carrot Shreds	<i>Journal of Agricultural Engineering</i> 52(1): 26-30	5.59	-
45.	Rudra, S.G., Jakhar, Neetu, Jyoti Nishad, Saini, N. Bhardhwaj, Rakesh Jaiswal, S. and Kaur Charanjit	2015	Extrusion conditions affect the functional and antioxidant properties, of sorghum, barley and horse-gram based snack	<i>Vegetos-An International Journal of Plant Research</i> 28: 171-182	6.0	-
46.	Rudra, S.G., Jakhar, N., Nishad, J., Kaur, C.	2015	Food Waste: Mine of Nutraceuticals	<i>Inter. J. of Sci. Environ. and Techno.</i> 4(1): 205-229	3.11	-
47.	Rudra, S.G., Jakhar, N., Bhardhwaj, R., Kaur, C.	2015	Extrusion conditions affect the functional and antioxidant properties of sorghum, barley and horse-gram based snack	<i>Vegetos</i> 28(2): 171-182	6.00	-
48.	Nath, P., Kaur, C., Rudra, S.G., Varghese, E., Sharma, K.	2015	Enzymatic Liquefaction of red capsicum (<i>Capsicum annuum</i> L.): Development of innovative food ingredient	<i>Agri. Research</i> 5(2): 193-204. DOI: 10.1007/s40003-015-0201-7	5.88	-
49.	Kaur Charanjit, Rudra, Shalini G., Saha, Supradip, Varghese, Eldho and Nagal Shweta	2016	Increasing anthocyanin content in black carrot juice by an enzyme assisted process: Optimization using response surface methodology	<i>Nutra Foods</i> 15: 59-67	-	-
50.	Rudra, S.G., Sethi, S., Jha, S.K. and Kumar, R.	2016	Physico-chemical and functional properties of cowpea protein isolate as affected by dehydration technique	<i>Legume Research-An Inter. J.</i> Published Online: 16/03/2016. DOI: 10.18805/lr.v0iOF.9441	6.15	-
51.	Sharma, R.R., Awasthi, O.P. and Kumar, K.	2016	Pattern of phenolic content, antioxidant activity and senescence-related enzymes in granulated vs non-granulated juice-sacs of 'Kinnow' mandarin (<i>Citrus nobilis</i> x <i>C. deliciosa</i>)	<i>J. Food Sci. Technol.</i> 53(3): 1525-1530	8.22	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
52.	Sharma, R.R., Sagar, V.R., Dhiman, M.R., Paramanick, K.K. and Kumar, K.	2016	Response of Royal Delicious apple to staggered pre-harvest fruit bagging	<i>Indian J. Hort.</i> , 73(1): 109-113	6.13	-
53.	Jyoti Kumar, Manas K. Bag, S. Pandey, S. K. Jha, S.S. Chauhan, Girish K. Jha, N.K. Gautam and M. Dutta	2016	Assessment of phenotypic diversity in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.] germplasm of Indian origin and identification of trait-specific germplasm	<i>Crop & Pasture Science</i> . http://dx.doi.org/10.1071/CP16300	7.48	-

Faculty Profile

Professors

S. No.	Name	Period
1	Dr. D.V.K. Samuel	January 2005-22.1.2008
2	Dr. R.K. Pal	23.1.2008-19.6.2009
3	Dr. V.R. Sagar	20.06.2009 to 24.07.2012
4	Dr. Charanjit Kaur	25.07.2012 to 10.6.2015
5	Dr. V.R. Sagar	11.06.2015 to 27.09.2015
6	Dr. S.K. Jha	28.9.2015 to continuing

Heads

S. No.	Name	Period
1	Dr. D.V.K. Samuel	1.4.2006-30.4.2009
2	Dr. R.K. Pal	1.05.2009-30.10.2012
3	Dr. V.R. Sagar	31.10.2012- continuing

Faculty Members

S. No.	Name of Faculty	Qualification	Specialization	h-Index	i10-Index
1	Dr. V.R. Sagar	Ph.D.	Fruit Science	8	6
2	Dr. Charanjit Kaur	Ph.D.	Fruit Science	16	20
3	Dr. Sunita Singh	Ph.D.	Microbiology		
4	Dr. Ram Asrey	Ph.D.	Fruit Science	10	11
5	Dr. R.R. Sharma	Ph.D.	Fruit Science	18	34
6	Dr. S.K. Jha	Ph.D.	Agri Structure & Process Engg.	7	7
7	Dr. A. Kar	Ph.D.	Agri Structure & Process Engg.	8	7
8	Dr. Shruti Sethi	Ph.D.	Food Technology	2	-
9	Dr. Shalini Gaur Rudra	Ph.D.	Food Technology	8	9
10	Dr. Alka Joshi	Ph.D.	Food Technology	-	-



Fruits and Horticultural Technology

O.P. Awasthi and S.K. Singh

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1.	2007	S. Jayaprahasam	Studies on fruit set and fruit retention in mango hybridization	Dr. Room Singh	-
2.	2007	Subodh Kr. Singh	Effect of plant density and pruning on growth, fruitfulness and quality of mango (<i>Mangifera indica</i> L.) cv. Amrapali	Dr. Sanjay K. Singh	-
3.	2007	Santosh K. Verma	Studies on different grape (<i>Vitis</i> sp.) rootstocks and their stionic effects on cv. Pusa Urvashi	Dr. Sanjay K. Singh	-
4.	2007	Hare Krishna	Studies on <i>in vitro</i> propagation of mango (<i>Mangifera indica</i> L.)	Dr. Sanjay K. Singh	-
5.	2007	Sanjay Kumar Singh	Effect of pruning on growth, yield and fruit quality in some mango cultivars planted under high density	Dr. Sanjay K. Singh	-
6.	2007	I.V. Srinivasa Reddy	Modelling epidemiology of <i>Fusarium mangiferae</i> in relation to mango malformation	Dr. (Mrs.) K. Usha	-
7.	2007	Poonam Kashyap	Genetic characterization of apple rootstocks using molecular marker	Dr. A.K. Singh	-
8.	2008	Nripendra Vikram Singh	Standardization of embryo rescue technique under sub-tropical conditions and use of DNA marker for hybrid identification in grapes (<i>Vitis vinifera</i> L.)	Dr. A.K. Singh	-
9.	2008	Deepa Samant	Studies on genetic diversity and varietal identification in mango (<i>Mangifera indica</i> L.) using ISSR markers	Dr. A.K. Singh	-
10.	2008	Shareefa M.	DNA fingerprinting of mango genotypes (<i>Mangifera indica</i> L.) using molecular markers	Dr. A.K. Singh	-
11.	2009	Karuppasamy T.	Physico-biochemical and radio-tracer studies in relation to citrus granulation	Dr. Sanjay K. Singh	-
12.	2009	A. Nagaraja	Predicting susceptible areas of mango malformation through remote sensing and GIS	Dr. (Mrs.) K. Usha	-
13.	2010	Dipak Nayak	Characterization of mango hybrids for fruit quality traits	Dr. A.K. Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
14.	2010	D. Ramajayam	<i>In vitro</i> and <i>in vivo</i> screening of grape rootstock genotypes for NaCl tolerance	Dr. Sanjay K. Singh	-
15.	2011	Anshuman Singh	Characterization of mango (<i>Mangifera indica</i> L.) hybrids using SSR markers	Dr. A.K. Singh	-
16.	2011	Sudip Kumar Dutta	Studies on incompatibility and viability of stored pollen in mango (<i>Mangifera indica</i> L.)	Dr Manish Srivastav	-
17.	2011	Sant Ram	Studies on co-inoculation of mycorrhiza with helper bacteria on physio-chemical changes in mango (<i>Mangifera indica</i> L.)	Dr. V.B. Patel	-
18.	2012	Wasim Hassan Raja	Studies on micro propagation in citrus rootstocks and effects of arbuscular mycorrhizal inoculation on <i>in vitro</i> raised plants	Dr. Sanjay K. Singh	-
19.	2012	Arun Kishor	Embryo rescue and DNA marker-assisted hybridity analysis in Mango (<i>Mangifera indica</i> L.)	Dr. Manish Srivastav	-
20.	2012	Prananath Barman	Effect of microbial inoculants in citrus plant under low moisture stress	Dr. Sanjay K. Singh	-
21.	2012	Heiplanmi Rymbai	Growth, flowering and fruiting characteristics of mango (<i>Mangifera indica</i> L.) hybrids	Dr. Manish Srivastav	-
22.	2013	Pranava Pandey	Physiological, biochemical and growth changes in mango under salt stress	Dr. A.K. Singh	-
23.	2014	Evening Stone Marboh	Morphological characterization of citrus genotypes	Dr. A.K. Singh	-
24.	2014	Rahul Dev	<i>In vitro</i> mutagenesis in grape and its validation using molecular markers	Dr. Sanjay K. Singh	-
25.	2015	Dharamjit Kherwar	Studies on genetic variability for yield and quality traits in guava (<i>Psidium guajava</i> L.)	Dr. (Mrs.) K. Usha	-
26.	2015	Manoj Kundu	Induction of haploid Plants in citrus through gamma irradiated pollen	Dr. A.K. Dubey	-
27.	2015	Mahesh Kumar Dhakar	Effect of nitrogen sources and nitrification inhibitors on nitrogen dynamics and plant performance of Kinnow mandarin	Dr. A.K. Singh	-
28.	2015	Pawan Singh Gurjar	Identification and molecular analysis of powdery mildew and anthracnose resistant genotypes in grape (<i>Vitis</i> sp.)	Dr. Sanjay K. Singh	-
29.	2015	Vishambhar Dayal	Effect of polyembryonic rootstocks on mango cultivars	Dr. A.K. Dubey	-
30.	2015	M. Kalpana	<i>In vitro</i> mutagenesis of grape rootstock genotypes and isolation of NaCl tolerant mutants	Dr. Sanjay K. Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
31.	2016	Kamlesh Kumar	DNA marker-based differentiation of zygotic and nucellar seedling and identification of polymorphic microsatellite markers among parental mango genotypes	Dr. Manish Srivastav	-
32.	2016	Shiv Lal	Identification of genomic regions for alternate bearing and fruit quality traits in mango (<i>Mangifera indica</i> L.)	Dr. Sanjay K. Singh	-
33.	2016	Ankit Singh	Bio-hardening and hybridity analysis of <i>in vitro</i> embryo cultured mango (<i>Mangifera indica</i> L.) plantlets	Dr. Manish Srivastav	-
34.	2016	Vijaysinha D. Kakade	Studies on Seedless mechanism of lemon cv. Kagzi Kalan	Dr. A.K. Dubey	-
M.Sc. Students					
1.	2007	Mahesh Kumar	Characterization and vigour prediction of polyembryonic mango genotypes at nursery stage	Dr. Manish Srivastav	-
2.	2007	Dipak Nayak	Efficacy of microbial inoculants and phosphorous nutrition in citrus	Dr. V.B. Patel	-
3.	2008	Sudip Kumar Dutta	Effect of arbuscular mycorrhizal fungi and water stress on citrus	Dr. V.B. Patel	-
4.	2008	Arun Kishor	Effect of paclobutrazol on mango seedlings under salt stress conditions	Dr. Manish Srivastav	-
5.	2009	Kanchan Lata	Response of mango (<i>Mangifera indica</i> L.) seedlings to polyamines under salt stress	Dr. Manish Srivastav	-
6.	2009	Dew Kumari Sharma	Effect of putrescine and paclobutrazol on growth, physiological and biochemical parameters of citrus rootstocks under salt stress	Dr. A.K. Dubey	-
7.	2010	Sachin Kumar Patel	Studies on growth and physiochemical changes in citrus rootstocks under NaCl stress	Dr. A.K. Dubey	-
8.	2010	Om Prakash	Biochemical studies in relation to mango malformation	Dr. (Mrs.) K. Usha	-
9.	2010	Soyimchten	Studies on effects of exogenous application of polyamines on growth and physiochemical changes in Troyer citrange under NaCl stress	Dr. A.K. Dubey	-
10.	2011	Vijaysinha D. Kakade	Effect of triazoles on NaCl induced alteration in Kinnow budded on <i>Jatti khatti</i>	Dr. A.K. Dubey	-
11.	2011	Chandrakant Awachare	Studies on effect of integrated use of organic manures and inorganic fertilizers on grapefruit	Dr. A.K. Dubey	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
12.	2012	Ankit Singh	Studies on flowering behavior of parental genotypes of mango (<i>Mangifera indica</i> L.)	Dr. Manish Srivastav	-
13.	2012	Vishambhar Dayal	Effect of rootstocks and scion combination on modulation of physiological alteration in mango grown under NaCl stress	Dr. A.K. Dubey	-
14.	2013	Suman Beniwal	Biochemical basis of anthracnose [<i>Elsinoe ampelina</i> de Bary) Shear] tolerance in Grape	Dr. Sanjay K. Singh	-
15.	2013	Darshan Manikrao Kadam	Phenotyping of mango (<i>Mangifera indica</i> L.) genotype for morpho-physiological flowering and fruiting characters	Dr. A.K. Singh	-
16.	2014	Madhumita Mallick	Characterization of Kinnow mandarin clones and mutants	Dr. O.P. Awasthi	-
17.	2014	Banoth Shiva	Morphological and molecular Characterization of guava	Dr. A. Nagaraja	-
18.	2014	Tanushree Debnath	Identification of bacterial bio-Control agents and mechanism of their action for controlling mango malformation	Dr. (Mrs.) K. Usha	-
19.	2015	Sunil Kumar	Effect of different rootstocks on Kinnow Mandarin (<i>Citrus nobilis</i> Lour x <i>Citrus deliciosa</i> Tenora)	Dr. O.P. Awasthi	-
20.	2015	Shaili Kumari	Characterilizaion of guava germplasm using morphological parameters and DNA markers	Dr. A. Nagaraja	-
21.	2015	Anjali Soni	Studies on sex expression in papaya (<i>Carica papaya</i> L.)	Dr. Jai Prakash	-
22.	2016	Tanushree Sahoo	Evaluation of grape hybrids and their parents for morpho-physical, nutraceutical and antioxidant traits	Dr. M.K. Verma	-
23.	2016	Kuldeep Singh	Performance of citrus rootstock genotypes against <i>Phytophthora nicotianse</i> Breda de Haan	Dr. R.M. Sharma	-
24.	2016	Kaluram	Mprphological and molecular Characterization of papaya genotype	Dr. Jai Prakash	-

Foreign Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Country
Ph.D. Students					
1.	2007	Mr. Mahdi Alizadeh	Micropropagation and <i>in vitro</i> screening of some grape (<i>Vitis spp.</i>) rootstock genotypes for salt tolerance	Dr. Sanjay K. Singh	Afghanistan
2.	2010	Mr. Ebrahim Saboki	Physiological and biochemical studies in relation to malformation in mango (<i>Mangifera indica</i> L.)	Dr. (Mrs.) K. Usha	Iran



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Country
M.Sc. Students					
1.	2011	Uwisize Marie Grace	Studies on fertigation scheduling in Kinnow mandarin	Dr. V.B. Patel	Rwanda
2.	2013	Farhad Anees	Effect of saline water on Kinnow budded on different rootstocks	Dr. A.K. Dubey	Afghanistan
3.	2015	Khalil Fitrat	Evaluation of grape (<i>Vitis vinifera</i> L.) genotypes for horticultural traits and bioactive compounds	Dr. M.K. Verma	Afghanistan
4.	2016	Khalid Ahmad Mangal	Characterisation of <i>Vitis sp.</i> Rootstock and their comparative performance upon grafting	Dr. Sanjay K. Singh	Afghanistan

Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2008	<i>Nursery Pravandhan Tatha Adhunik Phal Utpadan</i>	24	Head, Division of Fruits and Horti. Tech., ICAR-I.A.R.I., New Delhi
2.	2008	<i>Audhunik Phaslon Kee Nursery Evam Uchch Utpadan Techneek</i>	23	Head, Division of Fruits and Horti. Tech., ICAR-I.A.R.I., New Delhi
3.	2011	Winter school on Advances in rootstocks for overcoming biotic and abiotic stresses in fruit crops, 17 November- 07 December, ICAR	25	Dr. A.K. Singh Dr. O.P. Awasthi Dr. A.K. Dubey Dr. A. Nagaraja
4.	2013	Model training course on Good agricultural practices in horticultural crops, 11-18 March, Ministry of Agri., Deptt. of Agril. Extension, GOI	20	Dr. A.K. Singh S.K. Singh Manish Srivastav Jai Prakash M.K. Verma
5.	2014	Model training course on Recent advances in planting material production of fruit crops, 21-28 February, Ministry of Agri. & Cooperation, GOI and Krishi Vistar Bhawan, Pusa Campus, New Delhi	17	Dr. A.K. Singh Dr. Jai Prakash Dr. Kanhaiya Singh Dr. Amit Kumar Goswami Dr. S.K. Singh
6.	2014	Six months training programme for scientists from Afghanistan in Horticulture discipline, 29 August 2014- 28 February 2015	06	Dr. R.K. Jain Dr. A.D. Munshi, Prof. of Horticulture Dr. S.K. Singh
7.	2015	Model training course on Management of production problems of horticultural crops for enhancing productivity and quality 27 January-03 February, Directorate of Extension, Department of Agriculture & Cooperation, Ministry of Agriculture, GOI, New Delhi	18	Dr. A.K. Singh Dr. Kanhaiya Singh Dr. Jai Prakash Dr. Amit Kumar Goswami Dr. S.K. Singh
8.	2015	Pusa Mango Day, 15 th July, National level exhibition cum mango grower-scientist interaction ghosti	400	Dr. K. Usha



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
9.	2016	Model training course on Good agricultural practices for horticultural crops, 19-26 October, 2016, Ministry of Agri., Deptt. of Agril. Extension, GOI, New Delhi	20	Dr. S.K. Singh Dr. Kanhaiya Singh Dr. Amit Kumar Goswami
10.	2016	Brainstroming on Digitally links smart fruit farms for higher productivity and profits, 07 th March.	100	Dr. K. Usha
ICAR-IARI, Regional Station, Pusa, Bihar				
1.	2010	Quality seed production in food Crops and vegetables	28	Dr. I.S. Solanki Dr. Kanhaiya Singh Dr. P.R. Kumar
2.	2010	Resource conservation technologies for improving productivity of wheat and vegetables	20	Dr. I.S. Solanki Dr. Anil Kumar Dr. Kanhaiya Singh
3.	2011	Nutrient management and plant protection in food crops and vegetables	20	Dr. I.S. Solanki Dr. Anil Kumar Dr. Kanhaiya Singh
ICAR-IARI, Regional Station, Shimla				
1.	2014	Nursery Production of Temperate Fruits” organized November 21, 2014, at Horticultural Research Farm, Dhanda under IARI, R.S. Shimla	80	Dr. K.K. Pramanick
2.	2015	Production and Nursery Management of Temperate February 21, 2015, Fruits at Ghumarvin, Bilaspur	75	Dr. K.K. Pramanick

Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
(i) Within Country					
1.	2007	Dr. Kanhaiya Singh	Bio safety Issues and Web Resources in GMOs	3 Days 14-16 May	NRC on Plant Biotechnology, New Delhi
2.	2008	Dr. Manish Srivastav	Basic Techniques in Plant Molecular Biology	Three Weeks 19 February- 10 March	Division of Biochemistry, IARI, New Delhi
3.	2009	Dr. O.P. Awasthi	Stress Management	5 Days 31 August- 04 September	Institute of Secretariat Training and Management, Government of India, New Delhi
3.	2010	Dr. Manish Srivastav	Molecular Marker Assisted Crop Breeding: Principles, Methods and Applications	Three Weeks 05-25 January	Division of Genetics, Indian Agricultural Research Institute, New Delhi
4.	2010	Dr. Awtar Singh	Methodology of Genetic Diversity Assessment for Cultivated and Wild Tropical Fruit Tree Diversity in South and South East Asia	4 Days 03- 06 March	Bioersity International, Regional Office, Malaysia, Kuala Lumpur



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
5.	2010	Dr. Jai Prakash	<i>In-Vitro</i> and Cryopreservation Techniques for Conservation of Plant Genetic Resources	Two weeks	Organised by Biovarsity International at National Bureau of Plant Genetic Resources, New Delhi
6.	2011	Dr. Jai Prakash	Application of Molecular Marker Technology for Rapid Development and Delivery of New Crop Varieties for Enhancing Food and Nutritional Security	One week	Michigan State University (MSU), East Lansing, USA, The Energy & Resources Institute (TERI), New Delhi
7.	2011	Dr. Awtar Singh	Good Practices of conservation and sustainable use of cultivated and wild tropical fruit tree	05 Days 22-26 February	Bioversity International, New Delhi
8.	2011	Dr M.K. Verma	Digital Photographic Applications in Science	05 Days 25-29 July	Division of Agricultural Extension, IARI, New Delhi
9.	2011	Dr. Amit Kumar Goswami	International training cum workshop on <i>In-vitro</i> and Cryopreservation Techniques for conservation of Plant genetic resources	13 Days 14-26 November	NBPGR New Delhi during
10.	2011	Dr. Madhubala Thakre	Enhancing input application efficiency through precision farm machines, remote and ground sensors	10 Days 14-23 November	PAU, Ludhiana
11.	2012	Dr. O.P. Awasthi	Management Development Programme (MDP)	12 Days 08-19 October	NAARM, Hyderabad
12.	2012	Dr. M.K. Verma	Conservation of Plant Genomic Resources	14 Days 12-25 March	NBPGR, New Delhi
13.	2012	Dr. Madhubala Thakre	Advances in micro irrigation and fertigation	21 Days 05-25 November	ICAR-IARI, New Delhi
14.	2013	Dr. Madhubala Thakre	Science and technology for rural societies	5 Days 02-06 September	IIPA, New Delhi
15.	2013	Dr. Amit Kumar Goswami	Design and Analysis of Agriculture Experiments	08-28 January	IASRI, New Delhi
16.	2013	Dr. O.P. Awasthi	Project formulation, risk assessment, scientific report writing and presentation	05 Days 30.07.13-03.08.13	ICAR-IARI, New Delhi
17.	2015	Dr. Amit Kumar Goswami	Genomics and Phenomics-assisted Crop Breeding: Principles and Practices	21 Days November 18 to December 8, 2015	ICAR- IARI, New Delhi
18.	2016	Dr. R.M. Sharma	Refreshercourse on Agricultural Research Management	13 Days	NAARM, Hyderabad
19.	2016	Dr. Madhubala Thakre	Bioinformatics techniques for agricultural data analysis	3 Days 11-13 January	ICAR-IARI, New Delhi



Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2007	Dr. S.K. Singh	Hari Om Trust Ashram Trust Award of ICAR for the biennium 2005-2006	ICAR
2.	2007	Dr. V.B. Patel	Hari Om Trust Ashram Trust Award of ICAR for the biennium 2005-2006	ICAR
3.	2008	Dr. A.K. Singh	Shri Giridhari Lal Chadha Memorial Gold Medal	Horticultural Society of India, New Delhi
4.	2008	Dr. V.B. Patel	Young Scientist Award	Council of Science and Technology, Govt. of Uttar Pradesh
5.	2009	Dr. A.K. Singh	Gold medal	Delhi Agri-Horticultural Society, New Delhi
6.	2009	Dr. S.K. Singh	Distinguished Scientist Award	Hi-Tech Horticultural Society, Meerut
7.	2009	Dr. V.B. Patel	Young Scientist Award	National Academy of Agricultural Sciences, New Delhi
8.	2010	Dr. S.K. Singh	Distinguished Scientist of the Year Award	Society for Recent Initiatives in Horticulture, Meerut
9.	2010	Dr. M.K. Verma	Young Scientist Award	Bioved Research Institute of Agriculture & Technology, Allahabad
10.	2013	Dr. Kanhaiya Singh	Centenary Award	Vigyan Parishad Prayag, Allahabad
11.	2013	Dr. Manish Srivastav	IARI Best Teacher Award-2013	ICAR- Indian Agricultural Research Institute, New Delhi
12.	2015	Dr. A.K. Dubey	राजीव गांधी राष्ट्रीय ज्ञान विज्ञान मौलिक पुस्तक लेखन पुरस्कार (प्रथम पुरस्कार)	राजभाषा विभाग गृह मंत्रालय भारत सरकार, नई दिल्ली
13.	2015	Dr. A.K. Dubey	Dr Shyam Singh Best Scientist Award for Citrus during 2014-15	Indian Society of Citriculture
14.	2016	Dr. O.P. Awasthi	Outstanding Award for the significant contributions in the field of Arid Horticulture	Society for Agriculture and Arid Ecology Research
15.	2016	Dr. Manish Srivastav	HSI- D.P. Ghosh Young Scientist Award- 2016	Horticultural Society of India New Delhi

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
Assignments					
1.	2006-2007	Dr. A.K. Singh	DBT Overseas Associateship on Genchip in mangamenet of citrus viruses	01 Nov. 2006 to 30 April 2007	University of California-Riverside, USA, 2006-2007
2.	2008	Dr. M.K. Verma	Nominated by GoI as an Expert to attend 14 th Session of Codex Committee of FAO/WHO	12-17 May	Mexico City, Mexico
3.	2008-2009	Dr. S.K. Singh	DBT Overseas Associateship on Tropical Fruit Biotechnology	1 Oct. 2008 to 30 Mar. 2009	University of Florida, TREC, Homestead, USA, 2008-2009



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
4.	2011	Dr. Manish Srivastav	Genome Resource Conservation (Horticultural Crops)	3 months (25.03.2011 to 24.06.2011)	Department of Horticulture, University of Wisconsin, Madison, USA
5.	2013	Dr. A.K. Singh	Deputation Horticulture Research & Development showcase	18-25 August, 2013	National Horticulture Research Network (NHRN), Horticulture Australia Ltd., Australia
International Conference/Seminar					
1.	2008	Dr. O.P. Awasthi	First International Jujube Symposium	21-25 September	Baoding, China
2.	2008	Dr. Kanhaiya Singh	Second International Symposium on papaya	9-12 December	Madurai (TN)
3.	2008	Dr. Jai Prakash	Second International Symposium on papaya	9-12 December	Madurai (TN)
4.	2012	Dr. Amit Kumar Goswami	Third International Agronomy Congress on Agriculture Diversification, Climate Change Management and Livelihoods	26-30 November	IARI, New Delhi
5.	2011	Dr. O.P. Awasthi	International Symposium on Minor Fruits and Medicinal Plants for Health and Ecological Security	19-22 December	Faculty of Horticulture, Bidhan Chandra Krishi Vishwavidyalaya, Kalyani, West Bengal
6.	2013	Dr. Amit Kumar Goswami	International Conference on global IPR system and WTO Issues	16-17 November	CCS, University, Meerut
7.	2014	Dr. O.P. Awasthi	International Symposium on Horticulture	16-18 October	BBAU, Lucknow
8.	2014	Dr. M.K. Verma	International Symposium on Horticulture	16-18 October	BBAU, Lucknow
9.	2016	Dr. Manish Srivastav	International Meet 7 th Indian Horticulture Congress, New Delhi	15-18 November	New Delhi

Faculty Awards and Recognition

S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
1.	2008	Dr. A.K. Singh	Horticultural Society of India, New Delhi	Secretary
2.	2011	Dr. S.K. Singh	Indian Journal of Horticulture, Horticultural Society of India, New Delhi	Editor
3.	2010	Dr. Kanhaiya Singh	Indian Society of Horticultural Research and Development, Chaubattia, Almora	Fellow
4.	2010	Dr. M.K. Verma	Asian Journal of Hort. Science	Editor



S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
5.	2012	Dr. Kanhaiya Singh	Bihar Horticultural Society, Pusa, Samastipur	Secretary
6.	2016	Dr. Kanhaiya Singh	Bihar Horticultural Society, Pusa, Samastipur	Executive Councillor
7.	2011	Dr. S.K. Singh	Banaras Hindu University, Varanasi (2011)	Member - Board of Studies
8.	2011	Dr. V.B. Patel	SVPUA&T, Meerut, ISPP, New Delhi.	Best poster paper award
9.	2012	Dr. O.P. Awasthi	Horticulture Society of India	Best Poster Paper Award
10.	2012	Dr. A.K. Dubey	Horticulture Society of India	Best Poster Paper Award
11.	2012	Dr. Manish Srivastav	Horticulture Society of India	Best Poster Paper Award
12.	2012	Dr. Jai Prakash	Horticulture Society of India	Best Poster Paper Award
13.	2012	Dr. Amit Goswami	Horticulture Society of India	Best Poster Paper Award
14.	2013	Dr. A.K. Singh	Sam Higginbottom, Institute of Agriculture, Technology & Sciences, Allahabad	Best Poster Paper Ist Prize
15.	2013	Dr. Kanhaiya Singh	Sam Higginbottom, Institute of Agriculture, Technology & Sciences, Allahabad	Best Poster Paper Ist Prize
16.	2013	Dr. Jai Prakash	Sam Higginbottom, Institute of Agriculture, Technology & Sciences, Allahabad	Best Poster Paper Ist Prize
17.	2013	Dr. Amit Kumar Goswami	Sam Higginbottom, Institute of Agriculture, Technology & Sciences, Allahabad	Best Poster Paper Ist Prize
18.	2013	Dr. M.K. Verma	Member, Institute Management Committee	ICAR-CITH, Srinagar, J&K
19.	2013	Dr. Amit Kumar Goswami	Hort Flora Research Spectrum, Bioscience and Agriculture Advancement Society	Editor
20.	2014	Dr. A.K. Dubey	Horticultural Society of India, New Delhi	Fellow
21.	2014	Dr. K. Usha	Prakashan Unit (Hindi), ICAR-IARI, New Delhi	Best Paper Cash Award
22.	2014	Dr. Manish Srivastav	Horticulture Society of India	Best Poster Paper Award
23.	2014	Dr. Kanhaiya Singh	Horticulture Society of India	Best Poster Paper Award
24.	2015-2018	Dr. O.P. Awasthi	Member Institute Management Committee	Central Institute for Temperate Horticulture, Srinagar, Kashmir
25.	2015	Dr. K. Usha	NCIPM in collaboration with IARI, at Pusa Campus	Best Paper Award

List of Student's Publication

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Abirami K. Singh R., Baskaran V.	2011	Studies on the influence of seedling physiological parameters with vigour in some polyembryonic and monoembryonic mango genotypes	<i>Indian Journal of Horticulture</i> 68(1): 18-23	6.13	02



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
2.	Alizadeh A., Singh S.K., Jhang Tripta, Sharma T.R.	2008	Inter simple sequence repeat analysis to confirm genetic stability of micropropagated plantlets in three grape (<i>Vitis</i> spp) rootstock genotypes	<i>J Plant Biochem Biotechnol</i> 17(1): 77-88	7.09	07
3.	Alizadeh M., Singh S.K.	2009	Molecular assessment of clonal fidelity in micropropagated grape (<i>Vitis</i> spp) rootstock genotypes using RAPD and ISSR markers	<i>Iranian Journal of Biotechnology</i> 7(1): 37-44	6.38	-
4.	Alizadeh M., Singh S.K., Patel V.B.	2010	Comparative performance of <i>in vitro</i> multiplication in four grape (<i>Vitis</i> spp) rootstock genotypes	<i>International Journal of Plant Production</i> 4(1): 41-50	6.77	-
5.	Alizadeh M., Singh S.K., Patel V.B., Bhattacharya R.C., Yadav B.P.	2010	<i>In vitro</i> responses of grape rootstocks to NaCl.	<i>Biologia Plantarum</i> 54(2): 381-385	7.85	-
6.	Barman P., Singh S.K., Patel V.B., Singh A.K., Lata N.	2015	Synergistic interaction of arbuscular mycorrhizal fungi and mycorrhiza helper bacteria improving antioxidant activities in Troyer citrange and Cleopatra mandarin under low moisture stress	<i>Indian Journal of Horticulture</i> 71(2): 469-475	6.13	-
7.	Dayal V., Dubey A.K., Awasthi O.P., Pandey R., Dahuja A.	2014	Growth lipid peroxidation antioxidant enzyme and nutrient accumulation in Amrapali mango (<i>Mangifera indica</i> L.) grafted on different rootstocks under NaCl stress	<i>Plant Knowledge Journal</i> 3(1): 15-22	-	01
8.	Dayal V., Dubey A.K., Singh S.K., Sharma R.M., Dahuja A., Kaur C.	2016	Growth yield and physiology of mango (<i>Mangifera indica</i> L.) cultivars as affected by polyembryonic rootstocks	<i>Scientia Horticulturae</i> 199: 186-197	7.37	01
9.	Rahul Dev, Singh S.K., Singh A.K. and Verma M.K.	2015	Comparative <i>in vitro</i> multiplication of some grape (<i>Vitis vinifera</i>) genotypes	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1477-83	6.14	-
10.	Dhakar M.K., Singh, A.K., Patel V.B., Singh S.K., Datta S.P., Kumar Rajesh, Khanna M.	2015	Effect of different nitrogen sources and nitrification inhibitors on soil nitrogen distribution in Kinnow orchard	<i>Indian Journal of Horticulture</i> 72(2): 178-189	6.13	-
11.	Dutta S.K., Srivastav M., Chaudhary R., Lal K., Patil P., Singh S.K.	2013	Low temperature storage of mango (<i>Mangifera indica</i> L.) pollen	<i>Scientia Horticulturae</i> 161: 193-197	7.37	07



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
12.	Dutta S.K., Srivastav M., Rymbai H., Chaudhary R., Dubey A.K., Singh A.K., Lal K.	2013	Pollen-pistil interaction studies in mango (<i>Mangifera indica</i> L.) cultivars	<i>Scientia Horticulturae</i> 160: 213-221	7.37	07
13.	Ebrahim S., K. Usha, Bhupinder Singh	2014	Screening for resistance to malformation in mango (<i>Mangifera indica</i> L.)	<i>Progressive Horticulture</i> 46(2): 209-216	3.25	02
14.	Ebrahim S., K. Usha, Singh B.	2011	Pathogenesis-Related (PR)-Proteins: Chitinase And β -1,3-Glucanase In Defense Mechanism Against Malformation In Mango (<i>Mangifera indica</i> L.)	<i>Scientia Horticulturae</i> 130: 847-852	7.37	44
15.	Ebrahim S., K. Usha, Singh B.	2012	Plant Architectural Traits and Their Role in Defense Mechanism against Malformation in Mango (<i>Mangifera indica</i> L.)	<i>Scientia Horticulturae</i> 139: 25-31	7.37	03
16.	Ebrahim S., Sharma T.R., K. Usha, Singh B.	2013	Resistance Gene Analogues in Mango against Mango Malformation	<i>Acta Phytopathologica et Entomologica Hungarica</i> 48: 39-52	-	02
17.	Gurjar P.S., Singh S.K., Singh A.K., Verma M.K.	2015	Field reaction and biochemical response of grape genotypes to anthracnose incidence under sub-tropical conditions.	<i>International Journal of Science and Nature</i> 6(2): 248-55	3.60	-
18.	Gurjar P.S., Singh S.K., Singh A.K., Verma M.K., Beniwal S.	2015	Screening and biochemical studies on grape genotypes for powdery mildew infection under sub-tropical conditions	<i>Indian Journal of Agricultural Biochemistry</i> 28(2): 178-182	4.03	-
19.	Jalgaonkar K.R., Jha S.K. Pal R.K., Sethi S., Raina A.P. and Dubey A.K.	2012	Effect of storage of fruit on quality of citrus peel essential oil	<i>Journal of Agricultural Engineering</i> 49(3): 12-17	4.27	-
20.	Kakade V., Dubey A.K., Awasthi O.P., Dahuja A.	2012	Responses of physiochemical attributes of Kinnow budded on jatti khatti to triazole treatment under salinity	<i>Acta Agronomica Hungarica</i> 60(4): 433-447	-	01
21.	Kakade V., Dubey A.K., Pandey R.N.	2014	Comparative Efficacy of Different Triazole Compounds as NaCl Stress Protectants in Kinnow Budded on Salt Susceptible Rootstock Jatti Khatti	<i>International Journal of Fruit Science</i> DOI: 10.1080/15538362.2013.818829	-	-
22.	Kalpana M., Singh S.K., Singh R., Srivastav M., Chet R., Verma M.K.	2016	Molecular characterization of some stress tolerant grape rootstock genotypes using ISSR and SSR markers	<i>Indian Journal of Horticulture</i> 73(2): 61-72	6.13	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
23.	Kanchan Lata, Srivastav M., Dubey A.K., Singh A.K., Sairam R.K.	2011	Effect of polyamines on mango (<i>Mangifera indica</i> L.) seedlings under salt stress	<i>Indian Journal of Plant Physiology</i> 16(3&4): 258-267	4.66	01
24.	Kashyap P., Singh A.K., Singh S.K., Deshmukh R.	2010	Genetic diversity analysis of indigenous and exotic apple genotypes using inter simple sequence repeat markers	<i>Indian Journal of Horticulture</i> 67 (Spl Issue): 16-20	6.13	-
25.	Kishor A., Srivastav M., Dubey A.K., Singh A.K., Sairam R.K., Pandey R.N., Dahuja A., Sharma R.R.	2009	Paclobutrazol minimizes salt stress effects in mango (<i>Mangifera indica</i> L.)	<i>Journal of Horticulture Science and Biotechnology</i> 84(4): 459-465	6.54	07
26.	Koley T., Walia S., Nath P., Awasthi O.P., Kaur C.	2011	Nutraceutical composition of <i>Zizyphus mauritiana</i> Lamk (Indian ber): Effect of enzyme assisted processing.	<i>International Journal of Food Sciences and Nutrition</i> 62(3): 276-279	7.21	06
27.	Hare Krishna, Sairam RK, Singh S.K., Patel V.B., Sharma R.R., Grover M., Nain L., Sachdev A.	2008	Mango explant browning: Effect of ontogenic age mycorrhization and pre-treatments	<i>Scientia Horticulturae</i> 118: 132-138	7.37	30
28.	Hare Krishna, Sairam R.K., Singh S.K., Patel V.B., Sharma R.R., Grover M., Nain L., Sachdev A.	2008	Mangos explant browning: Effect of ontogenic age mycorrhization and pre-treatments	<i>Scientia Horticulturae</i> 118: 132-138	7.37	30
29.	Hare Krishna, Singh S.K.	2007	Biotechnological advances in mango (<i>Mangifera indica</i> L.) and their future implication in crop improvement	<i>Biotechnology Advances</i> 25: 223-243	15.02	96
30.	Hare Krishna, Singh S.K., Minakshi, Patel V.B., Khawale R.N., Jindal P.C.	2006	Alleviation of transplanting shock by arbuscular-mycorrhizal fungi in micropropagated grapevine (<i>Vitis vinifera</i> L.)	<i>Journal of Horticulture Scienc & Biotechnology</i> 81(2): 259-263	6.54	11
31.	Hare Krishna, Singh S.K., Patel V.B.	2006	Screening of arbuscular-mycorrhizal fungi for enhanced growth and survival of micropropagated grape (<i>Vitis vinifera</i> L.) plantlets	<i>Indian Journal of Agricultural Science</i> 60(5): 297-301	6.14	05
32.	Kundu M., Dubey A.K., Srivastav M., Malick S., Singh B.	2014	Effect of gamma ray irradiation and cryopreservation on pollen stainability in vitro germination and fruit set in <i>Citrus</i>	<i>Turkish Journal of Biology</i> 38(1): 1-9	7.34	02
33.	Lal S., Ahmed N., Verma M.K.	2013	Fruit size contributing traits in pomegranate (<i>P. granatum</i> L.) cv Dholka under temperate condition	<i>Indian Journal of Agricultural Science</i> 83(5): 535-41	6.13	1



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
34.	Lal S., Singh A.K., Srivastav M., Singh N.K.	2008	Genetic diversity assessment in Indian grape by Simple Sequence Repeat (SSR) markers	<i>Indian Journal of Horticulture</i> 65(4): 371-76	6.13	4
35.	Mallick M., Awasthi O.P., Paul V., Verma M.K., Jha G.	2016	Effect of physical and chemical mutagens on leaf sclerophylly and stomatal characteristics of Kinnow mandarin mutants	<i>Indian Journal of Horticulture</i> 73(2): 291-293	6.13	-
36.	Mallick M., Awasthi, O.P., Singh S.K., Dubey A.K.	2016	Physiological and biochemical changes in pre-bearing mutants of Kinnow mandarin (<i>C. nobilis</i> x <i>C. deliciosa</i> Tenora)	<i>Scientia Horticulturae</i> 199: 178-185	7.37	01
37.	Marboh E.S., Singh A.K., Dubey A.K., Prakash Jai	2015	Analysis of genetic variability among citrus (<i>Citrus</i> spp.) genotypes using morphological traits	<i>Indian Journal of Agricultural Sciences</i> 85(2): 203-11	6.14	01
38.	Marboh E.S., Lal R.L., Mishra D.S., Goswami A.K.	2012	Effect of Hot water treatment and oxalic acid on colour retention and storage quality of litchi fruit cv Rose scented	<i>Indian Journal of Horticulture</i> 69(4): 484-488	6.13	-
39.	Nagaraja A., K. Usha, Singh B., Singh S.K., Maheswari Uma	2011	Effect of temperature and relative humidity on growth and sporulation of <i>Fusarium mangiferae</i> under <i>in vitro</i> conditions	<i>Indian Journal of Horticulture</i> 68(1): 42-47	6.13	02
40.	Nagaraja N., Sahoo R.N., K. Usha, Singh S.K., Shivaramnae, Gupta V.K.	2014	Spectral discrimination of healthy and malformed mango panicles using spectrophotometer	<i>Indian Journal of Horticulture</i> 71(1): 40-44	6.14	-
41.	Nagaraja A., Sahoo R.N., K. Usha, Gupta V.K., Singh S.K.	2012	Weather based mapping of susceptible areas of mango malformation through GIS	<i>Progressive Horticulture</i> 44(2): 201-205	3.25	-
42.	Nayak D., Singh A.K., Srivastav M.	2013	Estimation of genetic parameters of fruit quality traits in mango hybrids population	<i>Indian Journal of Horticulture</i> 70(1): 13-17	6.13	04
43.	Nripendra V., Singh S.K., Singh A.K., Deodas T.M., Sachin S.S., Mishra D.C.	2012	Arbuscular mycorrhizal fungi (AMF) induced hardening of micropropagated pomegranate (<i>Punica granatum</i> L.) plantlets	<i>Scientia Horticulturae</i> 136: 122-127	7.37	-
44.	Pandey P., Singh A.K., Dubey A.K., Dahuja A.	2014	Biochemical and salt ion uptake responses of seven mango (<i>Mangifera indica</i> L.) rootstocks to NaCl stress	<i>Journal of Horticultural Science and Biotechnology</i> 89: 367-372	6.54	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
45.	Pandey P., Singh A.K., Dubey A.K., Awasthi O.P.	2014	Effect of salinity stress on growth and nutrient uptake in polyembryonic mango rootstocks	<i>Indian Journal of Horticulture</i> 71(1): 28-34	6.13	-
46.	Patel S.K., Dubey A.K., Srivastav M., Singh A.K., Dahuja A., Pandey R.N.	2011	Effect of NaCl concentrations in irrigation water on growth antioxidant enzymes and nutrient acquisition in different citrus rootstocks	<i>Journal of Horticultural Sciences and Biotechnology</i> 86(2): 189-195	6.54	2
47.	Rahul Dev, Singh S.K., Singh A.K. Verma M.K., Kalpana M.	2016	<i>In vitro</i> radio-sensitivity (Gamma irradiation) of some juice and wine making grape genotypes	<i>Indian Journal of Horticulture</i> 73(03): 405-409	6.13	-
48.	Ramajayam D., Singh S.K., Patel V.B., Alizadeh M.	2013	Mycorrhization alleviates salt stress in grape rootstocks during <i>in vitro</i> acclimatization	<i>Indian Journal of Horticulture</i> 70(1): 26-32	6.13	01
49.	Reddy S., Sharma R.R., Srivastav M., Kaur C.	2016	Effect of pre-harvest application of salicylic acid on postharvest behaviour of 'Amrapali' mango fruits during storage	<i>Indian Journal of Horticulture</i> 73(3): 405-409	6.13	-
50.	Reddy S.V.R., Sharma R.R., Barthakur S., Srivastav M.	2015	An efficient and rapid method for the isolation of RNA from different recalcitrant tissues of mango (<i>Mangifera indica</i> L.)	<i>Journal of Horticultural Science & Biotechnology</i> 90(3): 285-290	6.54	00
51.	Rymabi H., Sharma R.R., Srivastav M.	2011	Biocolorants and its implications in human health and food industry- A review	<i>International Journal of Pharm. Tech.</i> 3(4): 2228-2244	-	26
52.	Rymabi H., Srivastav M., Sharma R.R., Singh S.K.	2012	Lenticels on mango fruit: Origin development discoloration and prevention- A review	<i>Scientia Horticulture</i> 135: 164-170	7.37	07
53.	Rymbai H., Srivastav M., Singh S.K., Singh A.K., Vinod	2016	Growth flowering and yield attributes of full-sib ('Amrapali x Sensation') hybrids of mango	<i>Indian Journal of Horticulture</i> 73(2): 157-164	4.56	-
54.	Rymbai H., Srivastav M., Sharma R.R., Patel C.R. Singh A.K.	2013	Bio-active compounds in mango (<i>Mangifera indica</i> L.) and their roles in human health and plant defence - A review	<i>The Journal of Horticultural Sciences and Biotechnology</i> 88(4): 269-379	6.54	04
55.	Samant D., Singh A.K. Srivastav M., Singh N.K.	2010	Assessment of genetic diversity in mango using inter-simple sequence repeat markers	<i>Indian Journal of Horticulture</i> 67: 1-8	6.13	05



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
56.	Shareefa M., Singh A.K., Srivastav M., Dubey A.K.	2009	Differentiation of nucellar and zygotic seedling in citrus using ISSR markers	<i>Indian Journal of Agricultural Sciences</i> 79(11): 884-889	6.14	2
57.	Sharma D.K., Dubey A.K., Srivastav M., Singh A.K., Sairam R.K., Pandey R.N., Dahuja A., Kaur C.	2011	Effect of putrescine and PBZ on growth physiochemical parameters and nutrient acquisition on salt sensitive citrus rootstock <i>Karna khatta</i> (<i>Citrus karna</i> Raf) under NaCl stress	<i>Journal of Plant Growth Regulation</i> 30(3): 301-311	8.24	40
58.	Sharma D.K., Dubey A.K., Srivastav M., Singh A.K., Pandey R.N., Dhauja A.	2013	Effect of paclobutrazol and putrescine on antioxidant enzymes activity and nutrients content in salt tolerant citrus rootstock sour orange under sodium chloride stress	<i>Journal of Plant Nutrition</i> 29: 13-47	6.49	02
59.	Singh A., Singh A.K., Singh S.K.	2012	SSR markers reveal genetic diversity in closely related mango hybrids	<i>Indian Journal of Horticulture</i> 69(1): 299-305	6.13	-
60.	Singh N.V., Singh S.K. Patel V.B., Singh A., Singh A.K.	2010	Standardization of embryo rescue technique for grape hybrids under sub-tropical conditions	<i>Indian Journal of Horticulture</i> 67: 37-42	6.13	-
61.	Singh N.V., Singh S.K., Singh A.K.	2011	Standardization of embryo rescue technique and bio-hardening of grape hybrids (<i>Vitis vinifera</i> L.) using Arbuscular mycorrhizal fungi (AMF) under sub-tropical conditions	<i>Vitis</i> 50(3): 115-1189	6.74	-
62.	Singh S.K., Singh S.K., and Sharma R.R.	2010	Effects of pruning intensity on the biochemical status of shoot buds in three mango (<i>Mangifera indica</i> L.) cultivars planted at high density	<i>Journal of Horticultural Science & Biotechnology</i> 85(6): 483-490	6.54	04
63.	Verma S., Singh S.K., Krishna Hare, Patel V.B.	2012	Comparative performance of grafting techniques in grape cv Pusa Urvashi	<i>Indian Journal of Horticulture</i> 69(1): 13-19	6.13	-

List of Publication of Faculty

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1.	Arya R., Awasthi O.P., Singh J., Arya C.K., Bhatnagar P., Pandey S.B.S., Vashishtha A.	2010	Comparison of fruit-based multi-species cropping system versus sole cropping system under arid region of Rajasthan	<i>Indian Journal of Agricultural Sciences</i> 80(5): 423-26	6.13	01



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2.	Arya R., Awasthi O.P., Singh J., Singh I.S., Manmohan J.R.	2011	Performance of component crops in tree-crop farming system under arid region	<i>Indian Journal of Horticulture</i> 68(1): 6-11	6.13	03
3.	Awasthi O.P., Singh I.S., More T.A.	2009	Performance of intercrops during establishment phase of aonla (<i>Emblca officinalis</i>) orchard	<i>Indian Journal of Agricultural Sciences</i> 79(8): 587-91	6.14	06
4.	Awasthi O.P., More T.A.	2009	Genetic Diversity and Status of <i>Ziziphus</i> in India	<i>Acta Horticulturae</i> 840: 33-40	-	11
5.	Awasthi O.P., Singh I.S.	2010	Effect of ber and pomegranate plantation on soil nutrient status of typic torripsamments	<i>Indian Journal of Horticulture</i> 67 (Special issue): 138-142	6.13	-
6.	Awasthi O.P., Singh I.S., Meena S.R.	2008	Allelopathic influence of aqueous leaf extract of drumstick on germination and seedling growth of ground storey crops	<i>Vegetable Science</i> 35(1): 100-102	3.85	01
7.	Awasthi O.P., Dubey A.K., Sharma V.K., Prakash Jai, Goswami A.K., Sharma R.M.	2015	Saline irrigation induced changes in growth physiology and ionic relations in Kinnow budded on Jatti khatti and Sohsarkar	<i>Indian Journal of Horticulture</i> 72(3): 313-318	6.13	-
8.	Bajpai A., Muthukumar M., Singh Awtar Vishal Nath, Ravishankar H.	2016	Narrow genetic base of Indian litchi (<i>Litchi chinensis</i>) cultivars based on molecular markers	<i>Indian Journal of Agricultural Sciences</i> 86(4): 448-455	6.14	-
9.	Baskaran V., Misra R.L., Singh S.K., Abirami K.	2014	Response of bio-fertilizers and commercial formulations on growth yield and corm production of gladiolus	<i>Indian Journal of Horticulture</i> 71(2): 237-241	6.13	-
10.	Bhagat S.K., Kherwar D., Usha K.	2014	Diversity in fruit characteristics of pomegranate (<i>Punica granatum</i> L.)	<i>Progressive Horticulture</i> 46(2): 248-253	3.25	-
11.	Bhargava R., Awasthi O.P., Singh D., Chouhan S., More T.A.	2010	Phylogenetic relationship among Indian jujube cultivars based on flavonoid spectrum	<i>Indian Journal of Horticulture</i> 67(4): 574-577	6.13	-
12.	Bhushan B., Charak A.S., Sharma R.M.	2012	Yield enhancement of moong (<i>Vigna</i>) through frontline demonstration	<i>Indian Journal of Social Research</i> 53(2): 177-179	2.79	-
13.	Choudhary H., Verma M.K., Sofi A.A.	2010	Genetic variability heritability and genetic advance for yield components in garden pea	<i>Pantnagar Journal of Research</i> 8(2): 195-197	-	02
14.	Das B., Ahmed N., Ranjan J.K., Attri, B.L., Sofi A.A., Verma R.K., Verma M.K., Tripathi P.C.	2012	New apple varieties released	<i>Indian Journal of Horticulture</i> 69(2): 1-4	6.13	-



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15.	Dubey A.K., Srivastav M., Kaur C.	2014	Variation of sweet orange (<i>Citrus sinensis</i> L. Osbeck) strains in India and selection of high yielding strains	<i>Indian Journal of Horticulture</i> 71(3): 321-325	6.14	-
16.	Dubey A.K., Srivastav M., Singh A.K., Pandey R.N.	2009	Growth and physiological response of salt sensitive and salt tolerant rootstocks of citrus to paclobutrazol under salt stress	<i>Indian Journal of Agricultural sciences</i> 79(8): 595- 599	6.14	8
17.	Dubey A.K., Sharma R.M., Awasthi O.P., Srivastav M., Sharma N.	2015	Genetic diversity in lime (<i>Citrus aurantifolia</i> Swing) and lemon (<i>Citrus limon</i> (L) Burm) based on quantitative traits in India	<i>Agroforestry System</i> DOI: 10 1007/ s10457-015-9867-x	7.22	-
18.	Dubey A.K., Sharma R.M.	2016	Effect of rootstocks on tree growth yield quality and leaf mineral composition of lemon (<i>Citrus limon</i> (L) Burm)	<i>Scientia Horticulturae</i> 200: 131-136	7.37	02
19.	Dubey A.K., Srivastav M., Kaur C.	2013	Fruit quality antioxidant enzymes activity and yield of six cultivars of grapefruit (<i>Citrus paradisi</i> Macf) grown under sub tropical conditions	<i>Indian Journal of Agricultural Sciences</i> 83(8): 442-46	6.14	01
20.	Dubey A.K., Srivastav M., Singh A.K., Pandey R.N., Deshmukh P.S.	2009	Growth and physiological response of salt sensitive and salt tolerant rootstock of citrus to paclobutrazol under salt stress	<i>Indian Journal of Agriculture Sciences</i> 79(8): 595-599	600	-
21.	Dubey A.K., Srivastav M., Singh R., Pandey R.N., Deshmukh P.S.	2006	Response of mango (<i>Mangifera indica</i> L) genotypes to graded levels of salt stress	<i>Indian Journal of Agricultural Sciences</i> 76(11): 670-672	6.14	-
22.	Dubey A.K., Srivastav M., Kaur C.	2013	Fruit quality antioxidant enzymes activity and yield of six cultivars of grapefruit (<i>Citrus paradisi</i>) grown under subtropical conditions	<i>Indian Journal of Agricultural Sciences</i> 83(8): 842-846	6.14	01
23.	Dubey A.K., Srivastav M., Pandey R.N., Deshmukh P.S.	2007	Dry mass production and distribution of nutrients in mango rootstocks as affected by salinity	<i>Indian Journal of Horticulture</i> 64: 385-390	6.13	05
24.	Gastil V., Chawla G., Rao U., Srivastava M.	2015	Community analysis of nematodes infecting guava and mango at IARI and the first report of citrus nematode from guava orchard	<i>Indian Journal of Nematology</i> 45(2): 195-201	4.56	-
25.	Goswami A.K., Lal S., Misra K.K.	2012	Integrated nutrient management improves growth and leaf nutrient status of guava cv Pant Prabhat	<i>Indian Journal of Horticulture</i> 69(2): 168-172	6.13	-



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26.	Goswami A.K., Lal S., Thakare M., Mishra P.D.S., Kumar Rajesh	2015	Studies on integrated nutrient management on yield and quality of guava cv Pant Prabhat	<i>Indian Journal of Horticulture</i> 72(1): 139-142	6.13	-
27.	Goswami A.K., Prakash Jai, Singh A.K.	2014	High density planting system in tropical fruits	<i>Hortflora Research Spectrum</i> 3(3): 298-300	-	-
28.	Goswami A.K., Shukla H.S., Mishra D.S.	2014	Influence of pre-harvest nutrients application on the physico-chemical quality and storage behaviour of guava (<i>Psidium guajava</i> L) fruit cv L-49	<i>Progressive Horticulture</i> 46(1): 54-57	3.25	-
29.	Goswami A.K., Singh A.K., Dubey A.K., Awasthi O.P., Prakash Jai, Singh S.K., Singh K., Sakhare A.	2015	Effect of elevated CO ₂ levels in Kinnow mandarin and Kagzi Kalan lemon under controlled environment conditions	<i>Indian Journal of Horticulture</i> 72(4): 556-558	6.13	-
30.	Jamwal M., Hussain S., Sharma N., Kumar R, Sharma R.M., Wali V.K., Sharma A., Parmar A.M.	2013	Pre-sowing seed treatments affect germination and quality of rootstock in Indian ber (<i>Zizyphus mauritiana</i> Lam)	<i>World Journal of Agricultural Science</i> 9(2): 116-122	-	-
31.	Jamwal M., Singh B., Sharma N., Kumar R., Sharma A., Sharma R.M., Wali V.K., Parmar A.M.	2013	<i>In vitro</i> regeneration of grape (<i>Vitis vinifera</i> L.) cv Perlette	<i>World Journal of Agricultural Science</i> 9(2): 161-166	-	02
32.	Jha S.K., Sethi S., Srivastav M., Dubey A.K., Sharma R.R., Samuel D.V.K., Singh A.K.	2010	Firmness characteristics of mango hybrids under ambient storage	<i>Journal of Food Engineering</i> 97(2): 208-212	8.77	29
33.	K. Usha, Singh B.	2013	Potential Applications of Remote Sensing in Horticulture-A Review	<i>Scientia Horticulturae</i> 153: 71-83	7.37	48
34.	Khan H., Sivalingam P.N., Chauhan S., Awasthi O.P., More T.A.	2013	Improved crossing technique and identification of true F1 hybrids of <i>Zizyphus mauritiana</i> Lam by molecular markers	<i>Scientia Horticulturae</i> 150: 164-171	7.37	05
35.	Khawale R.N., Yerramilli V., Singh S.K.	2007	Molecular marker - assisted selection of <i>in vitro</i> chemical mutagen – induced grapevine mutants	<i>Current Science</i> 92(8): 1056-1060	6.93	17
36.	Kumar D., Ahmed N., Verma M.K.	2012	Effect of planting densities and varieties on growth and yield of almond under Kashmir valley conditions.	<i>Indian Journal of Horticulture</i> 69(3): 328-32	6.13	3
37.	Kumar D., Ahmed N., Verma M.K., Dar T.A.	2013	Growth yield quality and leaf nutrient status as influenced by planting densities and varieties of apricot (<i>Prunus armeniaca</i> L.)	<i>Indian Journal of Horticulture</i> 70(2): 195-199	6.13	1



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38.	Kumar R., Sarvanan S., Bakshi P., Sharma R.M.	2013	Influence of GA ₃ and blossom removal on quality of strawberry cv Belrubi	<i>Vegetos</i> 26(1): 107-110	6.00	-
39.	Kumar S., Baranwal V.K., Singh Priyanka, Jain R.K., Sawant S.D., Singh S.K.	2012	Characterization of a Grapevine leaf roll-associated virus 3 from India showing incongruence in its phylogeny	<i>Virus Genes</i> 45(1): 195-200	7.58	-
40.	Kumbhare N.V., Singh K.	2011	Adoption behaviour and constraints in wheat and paddy production technologies	<i>Indian Research Journal of Extension Education</i> 11(3): 41-44	3.92	08
41.	Kumbhare N.V., Anil Kumar, Singh K., Chowdhury S.	2012	Micro-analysis of yield gap and associated constraints in adoption of wheat production technologies in Bihar	<i>Indian Journal of Extension Education</i> 48(3&4): 22-25	3.26	-
42.	Kushawaha R.L., Singh K., Rai D.P.	2011	Method and time of grafting in mango (<i>Mangifera indica</i> L.) under Bundelkhand region of MP	<i>Bihar Journal of Horticulture</i> 1(1): 51-53	-	-
43.	Mahato A.K., Sharma Nimisha, Singh A., Srivastav M., Singh S.K., Singh A.K., Sharma T.R., Singh N.K.	2016	Leaf Transcriptome Sequencing for Identifying Genic-SSR Markers and SNP Heterozygosity in Crossbred Mango Variety 'Amrapali' (<i>Mangifera indica</i> L.)	<i>PloS one</i> 11(10): 0164325	9.23	-
44.	Meena S.R., More T.A., Awasthi O.P., Samadia D.K., Singh I.S.	2009	Vegetable based farming system in hot arid eco-system of Western Rajasthan	<i>Agricultural Situation in India</i> LIX (10): 619-622	2.76	02
45.	Meena S.R., Singh R.S., Awasthi O.P., More T.A.	2010	Motivational factors and constraint analysis regarding commercial production of Mateera (<i>Citrus lanatus</i>) in hot arid ecosystem	<i>Indian Journal of Extension Education</i> 46(3&4): 31-37	3.26	-
46.	Mir J.I., Ahmed N., Verma M.K., Sheikh M.A., Shiv L.	2010	<i>In-vitro</i> multiplication of cherry rootstocks	<i>Indian J. Hort.</i> 67: 29-33	6.13	01
47.	Murkute A., Sharma S., Singh S.K., Patel V.B.	2009	Response of mycorrhizal citrus rootstock plantlets to salt stress	<i>Indian Journal of Horticulture</i> 66(4): 449-453	6.13	-
48.	Nagarjuna K.R., Meena S.R., Awasthi O.P.	2013	Information system for Arid Fruit Crops	<i>Indian Research Journal of Extension Education</i> 13(1): 41-44	3.26	-
49.	Nagraja A., Saroj P.L., Singh I.S., Awasthi O.P.	2014	Effect of blanching treatments and dehydration methods on rehydration quality of khejri (<i>Prosopis cineraria</i>) pods	<i>Indian Journal of Agricultural Sciences</i> 84(9): 1063-1068	6.14	-



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50.	Nayan Deepak G., Yadav A., K. Usha, Verma M.K., Sirohi S.	2016	Exogenous and Endogenous cues regulating genes for flowering in subtropical fruits an over view	<i>Journal of Agriculture Engineering Food Technology</i> 3(1): 62-66	-	-
51.	Palanichamy V., Mitra B., Srivastav M., Singh S.K.	2011	Studies on various grape genotypes through development of bearing zones and pruning severity-A Review	<i>Journal of Pharmacy Research</i> 4(10): 3488-3491	-	-
52.	Palanichamy V., Singh R., Singh S.K., Srivastav M.	2014	Changes in the reducing and non-reducing sugars during fruit bud differentiation in mango hybrids	<i>Indian Journal of Horticulture</i> 71(2): 277-280	6.13	-
53.	Patel V.B., Barman K., Chand Girish, Singh S.K.	2013	Stem-end blackening: A new physiological disorder in mango from Bihar	<i>Indian Journal of Horticulture</i> 70(2): 223-229	6.13	-
54.	Patel V.B., Singh S.K., Asrey Ram, Lata Nain, Singh A.K., Singh L.	2009	Microbial and inorganic fertilizers application influenced vegetative growth yield leaf nutrient status and soil microbial biomass in sweet orange cv Mosambi	<i>Indian Journal of Horticulture</i> 66(2): 103-108	6.13	04
55.	Pragya Ranjan, Bhat K.V., Misra R.L., Singh S.K., Ranjan J.K.	2010	Genetic relationships of gladiolus cultivars inferred from fluorescence based AFLP markers	<i>Scientia Horticulturae</i> 123: 562-567	7.37	-
56.	Prakash Jai, Chattopadhyay K., Singh N.P.	2013	Morphogenetic analysis of pineapple cultivars of Tripura	<i>Indian Journal of Horticulture</i> 69 (3): 312-316	6.13	-
57.	Prakash Jai, Maurya A.N., Singh S.P.	2010	Studies on variability in fruit characters of Jamun (<i>Syzgium cumini</i> skeels)	<i>Indian Journal of Horticulture</i> 67: 63-66	6.13	-
58.	Prakash Jai, Singh AK	2013	Screening of papaya genotypes against the viral diseases	<i>Indian Journal of Horticulture</i> 70(3): 437-438	6.13	02
59.	Prakash Jai, Singh K., Goswami A.K., Singh A.K.	2015	Comparison of plant growth yield fruit quality and biotic stress incidence in papaya var Pusa Nanha under polyhouse and open field condition	<i>Indian Journal of Horticulture</i> 72(2): 183-186	6.13	-
60.	Prakash Jai, Bhattacharya S., Chattopadhyay K., Roy S., Das S.P., Singh N.P.	2009	PQM-1: A newly developed superior clone of pineapple for northeastern India as evident through phenotype fruit quality and DNA polymorphism	<i>Scientia Horticulture</i> 120(2): 288-91	7.37	08
61.	Prakash Jai, Das S.P., Bhattacharjee T., Singh N.P.	2014	Studies on effect of pollarding in papaya	<i>Indian Journal of Horticulture</i> 71(3): 419-420	6.13	-



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62.	Prakash Jai, Sankaran M., Singh N.P.	2008	Response of plant population on fruiting and fruit quality of pineapple cv Queen	<i>Indian Journal of Agricultural Science</i> 78(9): 801-02	6.14	-
63.	Prakash Jai, Singh K., Goswami A.K., Singh A.K.	2015	Comparison of plant growth yield fruit quality and biotic stress incidence in papaya var Pusa Nanha under polyhouse and open field conditions	<i>Indian Journal of Horticulture</i> 72(2): 183-186	6.13	-
64.	Prakash Jai, Singh N.P., Sankaran M.	2007	Response of mulching on <i>in-situ</i> soil moisture growth yield and economic return of litchi (<i>Litchi chinensis</i>) under rainfed condition in Tripura	<i>Indian Journal of Agricultural Science</i> 77(11): 762-764	6.14	-
65.	Prakash Jai, Srivastava V., Goswami A.K., Singh K., Singh A.K.	2016	Nutritional composition in fruits of gynodioecious papaya genotypes	<i>Indian Journal of Horticulture</i> 73(2): 183-187	6.13	-
66.	Prakash Jai, Srivastava V., Goswami A.K., Singh K., Singh A.K.	2016	Nutritional composition in fruits of gynodioecious papaya genotypes	<i>Indian Journal of Horticulture</i> 73(2): 183-187	6.13	-
67.	Pratibha, Lal S., Goswami A.K.	2013	Effect of pruning and planting systems on growth flowering fruiting and yield of guava cv Sardar	<i>Indian Journal of Horticulture</i> 70(4): 496-500	6.13	-
68.	Rana J.C., Pardheep K., Chaurasia O.P., Sood S., Sharma R.M., Singh A., Negi R.	2012	Genetic resources of wild edible plants and their uses among tribal communities of cold arid regions of India	<i>Genetic Resources and Crop Evolution</i> 59(10): 135-149	7.46	12
69.	Rana J.C., Singh D., Yadav S.K., Verma M.K., Kumar K., Pradeep K.	2007	Genetic diversity collected and observed in Persian Walnut (<i>Juglans regia</i> L.) in the Western Himalaya region of India	<i>Plant Genetic Resources Newsletter</i> (Bioversity International/FAO)	-	08
70.	Rathore C.S., Singh R., Singh S.K., Srivastav M.	2009	Evaluation and correlation studies in mango genotypes under north Indian conditions	<i>Indian Journal of Horticulture</i> 66(3): 374-378	6.13	01
71.	Saha S., Behera T.K., Singh S.K., Munshi A.D., Srivastav M.	2013	Responses of <i>in vitro</i> raised bitter gourd plantlets to arbuscular mycorrhiza fungal species	<i>Indian Journal of Horticulture</i> 70(2): 223-229	6.13	-
72.	Saran P.L., Singh K., Ganga	2015	Economic impact of sole and biennial turmeric cultivation with mango and litchi as an intercrop	<i>Annals of Agricultural Research</i> 36(4): 452-456	3.02	-
73.	Sarkar J., Singh S.K., Singh K.P., Guha S.K.	2016	<i>In vivo</i> and <i>in vitro</i> mutagenesis in marigold (<i>Tagetes erecta</i>) using gamma rays	<i>Indian Journal of Agricultural Science</i> 86: 860-863	6.14	-



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74.	Saroj P.L., Awasthi O.P., Bhargava R., Singh U.V.	2008	Standardization of pomegranate propagation by cutting under mist system in hot arid region	<i>Indian Journal of Horticulture</i> 65(1): 25-30	6.13	14
75.	Sasikumar K., Singh S.K., Mohapatra T., Prasad K.V.	2007	Characterization of rose cultivars and species by DNA fingerprinting	<i>Indian Journal of Horticulture</i> 64(4): 435-438	6.13	03
76.	Sethi S., Srivastav M., Samuel D.V.K., Singh A.K. Dubey A.K., Singh G.	2011	Evaluation of newly developed mango (<i>Mangifera indica</i> L.) hybrids for their storage behaviour and peel colour	<i>Indian Journal of Agricultural Sciences</i> 81(3): 56-61	6.14	03
77.	Sharma R.M., Dubey A.K., Awasthi O.P., Kaur C.	2016	Growth yield fruit quality and leaf nutrient status of grapefruit (<i>Citrus paradisi</i> Macf): Variation from rootstocks	<i>Scientia Horticulturae</i> 210: 41-48	7.37	-
78.	Sharma R.M., Dubey A.K., Awasthi O.P.	2015	Physiology of grapefruit (<i>Citrus paradisi</i> Macf) cultivars as affected by rootstock	<i>Journal of Horticultural Science and Biotechnology</i> 90(3): 325-331	6.54	03
79.	Sharma R.R., Awasthi O.P., Kuldeep Kumar	2015	Pattern of phenolic content antioxidant activity and senescence-related enzymes in granulated vs non-granulated juice-sacs of 'Kinnow' mandarin (<i>Citrus nobilis</i> x <i>C. deliciosa</i>)	<i>Journal of Food Science and Technology</i> DOI: 10.1007/s13197-015-2112-9	8.20	02
80.	Sharma V.K., Dwivedi S.K., Awasthi O.P., Verma M.K.	2014	Variation in nutrient composition of seabuckthorn (<i>Hippophae rhamnoides</i> L.) leaves collected from different locations of Ladakh	<i>Indian Journal of Horticulture</i> 71(3): 421-423	6.13	-
81.	Sharma A., Wali V.K., Sharma R.M., Sharma B.	2016	Effectiveness of various crop regulation treatments in guava (<i>Psidium guajava</i>) cv Allahabad Safeda	<i>The Bio Scan</i> 11(1): 335-338	4.57	-
82.	Sharma A., Wali V.K., Sharma R.M., Jamwal M., Sharma B.	2013	Effectiveness of various crop regulation treatments in guava cvL-49	<i>The Madras Agriculture Journal</i> 100(1-3): 747-750	-	-
83.	Sharma A.K., Rajguru Y.R., Adsule P.G., Goswami A.K.	2013	Pretreatments of Tas-A-Ganesh grape bunches and subsequent effect on grape drying	<i>Indian Journal of Horticulture</i> 70(1): 107-111	6.13	-
84.	Sharma N., Kherwar D., K.M. Ajay, Singh B., K. Usha	2013	Molecular breeding to improve guava (<i>Psidium guajava</i> L.): Current status and future prospective	<i>Scientia Horticulturae</i> 164: 578-588	7.37	15



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85.	Sharma N., Dubey A.K., Srivastav Manish, Singh B.P., Singh A.K. and Singh N.K.	2015	Assessment of genetic diversity in grapefruit (<i>Citrus paradisi</i> Macf) cultivars using physico-chemical parameters and microsatellite markers	<i>Australian Journal of Crop Sciences</i> 9(1): 62-68	4.0	03
86.	Sharma N., Singh A.K., Srivastav M., Singh B.P., Mahto A.K., Singh N.K.	2014	Comparison of mango genomic DNA isolation methods for next generation sequencing	<i>Indian Journal of Horticulture</i> 71(2): 260-263	6.13	-
87.	Sharma R.K., Singh S.S., Singh K., Mishra S.P.	2010	Effect of biofertilizers and nitrogen on growth and yield of onion (<i>Allium cepa</i> L.)	<i>Environment and Ecology</i> 28: 1281-1283	4.09	02
88.	Sharma R.M., Kour K., Singh B., Kotwal N., Rana J.C., Sharma N., Bandral J.D., Jamwal M.	2014	Exploiting genetic diversity of walnut for export related traits	<i>Indian Journal of Agricultural Science</i> 84(9): 16-20	6.14	-
89.	Sharma R.M., Kour K., Singh B., Yadav S., Kotwal N., Rana J.C., Anand R.	2014	Selection and characterization of elite walnut (<i>Juglans regia</i> L) clone from seedling origin trees in North Western Himalayan region of India	<i>Australian Journal of Crop Science</i> 8(2): 257-262	4.00	5
90.	Sharma R.M., Kour K., Bandral J.D., Singh B., Rana J.C., Jamwal M.	2016	Analysis and utilization of genetic diversity of 'Ambri' apple (<i>Malus × domestica</i> Borkh) in Jammu region	<i>Indian Journal of Horticulture</i> 73(1): 1-7	6.13	--
91.	Sharma R.M., Singh A.K., Sharma S., Masoodi F.A., Uma Shankar	2013	Strawberry regeneration and assessment of runners quality in sub-tropical plains	<i>Journal of Applied Horticulture</i> 15 (3): 191-194	3.79	1
92.	Sharma S., Manhas S.S., Sharma R.M., Lohan S.K.	2014	Potential of variable rate application technology in India	<i>Agricultural Mechanization in Asia Africa and Latin America</i> 45(4): 74-81	6.01	01
93.	Sharma S., Sharma R.R., Verma M.K.	2015	Postharvest treatment with nitric oxide influences the physiological and quality attributes of Santa Rosa plums during cold storage	<i>Indian Journal of Horticulture</i> 72(4): 535-40	6.13	-
94.	Sharma S., Sharma R.R., Pal R.K., Jhalegar M.J., Singh J., Srivastav M., Dhiman M.R.	2012	Ethylene absorbents influences fruit firmness and activity of enzymes involved in fruit softening of Japanese plum (<i>Prunus salicina</i> Lindell) cv Santa Rosa	<i>Fruits</i> 67: 257-266	6.88	14
95.	Sharma S.D., Kumar P., Singh S.K., Patel V.B.	2009	Indigenous AM fungi and <i>Azotobacter</i> isolates and their screening from citrus seedlings at different levels of inorganic fertilizers application	<i>Indian Journal of Horticulture</i> 66(2): 183-189	6.13	04



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
96.	Sharma N., Singh S.K., Singh N.K., Srivastav Manish, Singh B.P., Mahato A.K., Prakash Jai	2015	Differential gene expression studies: a possible way to understand bearing habit in fruit crops	<i>Transcriptomic</i> : 3:110 DOI: 104172/2329-89361000110	-	-
97.	Shukla Anil Kumar, Awasthi O.P., Shukla Arun Kumar Vashishtha B. B., Bhargava R.	2007	Evaluation of ber cultivars under hot arid ecosystem of Rajasthan	<i>Progressive Horticulture</i> 39(1): 22-27	3.25	01
98.	Shukla Anil Kumar, Awasthi O.P., Shukla Arun Kumar	2007	Effect of severity of pruning on canopy growth and yield of ber under hot arid ecosystem	<i>Progressive Horticulture</i> 39(2): 134-138	3.25	-
99.	Singh A., Prakash Jai Srivastav M, Singh S.K., Awasthi O.P., Singh A.K., Chaudhari S.K., A. Sharma D.K.	2014	Physiological and biochemical responses of citrus rootstocks under salinity stress	<i>Indian Journal of Horticulture</i> 71(2): 162-167	6.13	02
100.	Singh I.S., Awasthi O.P., Sharma B.D., More T.A., Meena S.R.	2011	Soil properties root growth water use efficiency in brinjal (<i>Solanum melongena</i>) production and economics as affected by soil water conservation practices	<i>Indian Journal of Agricultural Sciences</i> 81(8): 760-763	6.14	01
101.	Singh I.S., Awasthi O.P., Meena S.R.	2010	Influence of tree plantation on soil physico-chemical properties in arid region	<i>Indian Journal of Agroforestry</i> 12(2): 42-47	4.50	-
102.	Singh I.S., Awasthi O.P., Singh R.S., More T.A., Meena S.R.	2012	Changes in soil properties under tree species	<i>Indian Journal of Agricultural Sciences</i> 82(2): 146-51	6.14	01
103.	Singh I.S., Awasthi O.P.	2012	Effect of soil water conservation practices on root growth vegetative growth yield and nutrition composition of brinjal on loamy sand soils	<i>Indian Journal of Agricultural Chemistry</i> 45(1): 23-27	2.5	-
104.	Singh I.S., Awasthi O.P., Bhargava R., Meena S.R.	2011	Influence of soil water conservation practices on productivity and quality of brinjal	<i>Agropedology</i> 21(2): 42-51	3.21	02
105.	Singh I.S., Awasthi O.P., Nagaraja A.	2013	Effect of manuring and mulches on irrigated arid brinjal in Western India	<i>Indian Journal of Horticulture</i> 70(2): 248-254	6.13	-
106.	Singh I.S., Awasthi O.P., Nagaraja A.	2012	Effect of soil water conservation practices on growth yield and chemical composition of brinjal on loamy sand soils	<i>Progressive Horticulture</i> 44(2): 331-335	3.25	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
107.	Singh J., Arya R.K., Awasthi O.P., Bhatnagar P., Mishra A., Jain S.K., Arya C.K., Pandey S.B.S., Vashishtha A.	2009	Intercropping in Fruit Orchards in Semi-Arid Regions-Options and Influences	<i>Environment and Ecology</i> 27(2): 524-528	4.09	-
108.	Singh S.K., Singh R.S., Awasthi O.P.	2013	Influence of pre and post harvest treatments on shelf-life and quality attributes of ber.	<i>Indian Journal of Horticulture</i> 70(4): 610-613	6.13	-
109.	Singh A., Prakash Jai, Srivastav M., Singh S.K., Awasthi O.P., Singh A.K., Chaudhari S.K., Sharma D.K.	2014	Physiological and biochemical responses of citrus rootstocks under salinity stress	<i>Indian Journal of Horticulture</i> 71(2): 162-167	6.13 1058	02
110.	Singh A., Srivastav M., Singh A.K., Dubey A.K., Lal S.K.	2014	Flowering attributes of parental mango genotypes	<i>Indian Journal of Horticulture</i> 71(4): 458-463	6.13 1058	-
111.	Singh A.K., Sinha P., Dubey A.K., Srivastav M.	2011	Characterization of citrus germplasm using simple sequence repeat markers	<i>Indian Journal of Genetics and Plant Breeding</i> 71(4): 349-355	6.19	-
112.	Singh Awtar	2009	Variability in fruit physico-chemical characters of Nagpur mandarin (<i>Citrus reticulata</i> Blanco)- a scope for improved clones	<i>International Journal of Tropical Agriculture</i> 27(1-2): 79-83	3.03	-
113.	Singh Awtar	2016	Development of improved Citrus rootstocks through hybridization	<i>Progressive Horticulture</i> 48(1): 37-41	3.25	-
114.	Singh Awtar, Vishal Nath	2012	Variability in fruit physico-chemical characters of litchi (<i>Litchi chinensis</i> Sonn): an index for selection of improved clones for processing and value addition	<i>Indian Journal of Genetics and Plant Breeding</i> 72(2): 143-147	6.19	-
115.	Singh Awtar, Vishal Nath	2015	Variability in fruit physico-chemical characteristics of litchi (<i>Litchi chinensis</i>) in Tripura and Assam	<i>Indian Journal of Agricultural Sciences</i> 85(2): 261-265	6.14	-
116.	Singh Awtar, Sharma N., Vishal Nath, Pandey S.D., Kumar K.K., Reddy B.M.C., Bhuwon S.	2016	Selection of elite seedling clones of mango (<i>Mangifera indica</i> L.) exposed by phylogenetic relationship and morpho-taxonomic traits	<i>Journal of Food Agriculture and Environment</i> 14(2): 238-247	5.0	-
117.	Singh K., Kumar A.	2010	Genetic variability and correlation studies in papaya under Bihar conditions	<i>Acta Horticulturae</i> 851: 145-150	-	11



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
118.	Singh M.K., Singh K., Haq Q.M.R., Mandal B., Varma A.	2011	Molecular characterization of tobacco leaf curl Pusa virus a new monopartite Begomovirus associated with tobacco leaf curl disease in India Virus	<i>Genes</i> 43(2): 296-306	7.58	12
119.	Singh N.K., Mahato A.K., Jayaswal P.K., Singh A., Singh S., Singh N., Rai V., Mithra A., Gaikwad S.V.K, Sharma N., Lal S., Srivastava M., Prakash Jai, Kalidindi U., Singh S.K., Singh A.K. Khan K., Mishra R.K., Rajan S., Bajpai A., Sandhya B.S., Nischita P., Ravishankar K.V., Dinesh M.R., Kumar N., Jaiswal S., Iquebal M.A., Kumar D., Rai A., Sharma T.R.	2016	Origin Diversity and Genome Sequence of Mango (<i>Mangifera indica</i> L.)	<i>Indian Journal of History of Science</i> 5122: 355-368	-	-
120.	Singh N.V., Singh S.K., Patel V.B.	2011	<i>In vitro</i> culture establishment studies on pomegranate	<i>Indian J. Hort.</i> 68(3): 37-42	6.13	-
121.	Singh O.P., K. Usha, Ebrahim S., Srivastav M., Dahuja Anil, Singh B.	2012	Enzymatic Reactive Oxygen Species (ROS) Scavenging System in Mango Varieties Resistant and Susceptible to Malformation	<i>Scientia Horticulturae</i> 138: 81-89	7.37	07
122.	Singh S.K., Sharma R.R. Srivastav M.	2009	Effect of pruning on morpho-physiological parameters and micro climate under high density planting of mango (<i>Mangifera indica</i> L.)	<i>Indian Journal of Agriculture Science</i> 79(8): 632-5	6.14	05
123.	Singh S.K., Singh Awtar, Vishal Nath, Parthasarathy V.A., Bhuwon S., and Vinoth S.	2015	Pummelo in Homestead Garden: Conservation through Family Farming	<i>Indian Journal of Plant Genetic Resources</i> 28(1): 132-138	4.61	00
124.	Singh S.K., Singh Awtar, Vishal Nath Parthasarathy V.A. Bhuwon S., Rajan S. Vinoth S.	2015	Genetic Diversity in Seedling Populations of Mango	<i>Indian Journal of Plant Genetic Resources</i> 28(1): 123-131	4.61	01
125.	Singh S.K., Singh I.P., Singh Awtar, Parthasarathy V.A., Vinoth S.	2015	Pummelo [<i>Citrus grandis</i> (L.) Osbeck] Diversity in India	<i>Indian Journal of Plant Genetic Resources</i> 28(1): 44-49	4.61	00
126.	Singh S.K., Singh S.K., Sharma R.R., Srivastav M., Patel V.B.	2010	Influence of pruning intensities on leaf nutrient composition in some mango cultivars planted under high density	<i>Indian Journal of Horticulture</i> 67(1): 16-20	6.13	03



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
127.	Singh S.P., Solanki R.C., Singh M.K., Singh K.	2016	Development of tractor operated bund former cum packer for increasing resource productivity	<i>Indian Journal of Agricultural Sciences</i> 86(9): 21-26	6.14	-
128.	Sofi A.A., Ahmed N., Srivastava K.K., Verma M. K., Verma R.K., Kumar D., Mir J.I., Mahindiran G., Rather J.A., Wajida Shafi	2012	New sweet cherry varieties released	<i>Indian Journal of Horticulture</i> 69:	6.13	1
129.	Sofi A.A., Pandit A.H., Verma M.K., Mir M.A.	2007	Evaluation of promising genotypes of Persian walnut (<i>Juglans regia</i> L.) from Kashmir valley	<i>Journal of Current Science</i> 10(1): 353-355	-	-
130.	Spooner David M., Rojas P., Bonierbale M., Mueller L., Srivastav M., Senalik D., Simon Philipp	2013	Molecular Phylogeny of <i>Daucus</i>	<i>Systematic Botany</i> 38(3): 1-8	-	03
131.	Srivastav M., Singh S.K.,	2008	Explant sterilization and control of phenolic browning	<i>The Asian Journal of Horticulture</i> 87(2): 23-27	2.55	00
132.	Srivastav M., Dubey A.K., Singh A.K., Singh R., Pandey R.N., Deshmukh P.S.	2008	Effect of salt stress on mortality reduction in root growth and distribution of mineral nutrients in Kurukkan mango at nursery stage	<i>Indian Journal of Horticulture</i> 66(1): 28-34	6.13	04
133.	Srivastav M., Dubey A.K., Pandey R.N., Deshmukh P.S.	2007	Effect of soil salinity on tissue nutrient levels leaf chlorophyll and number of secondary roots of Kurukkan mango (<i>Mangifera indica</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 77(10): 685-688	6.14	00
134.	Srivastav M., Kumar M., Dubey A.K., Singh A.K.	2009	Relationship between growth parameters and vigour of polyembryonic mango genotypes	<i>Indian Journal of Horticulture</i> 66(4): 438-444	6.13	02
135.	Srivastav M., Ram S., Sharma R.R., Khawale R.N.	2003	Residual effects of paclobutrazol on yield and fruit quality of mango cultivars	<i>Indian Journal of Plant Physiology</i> (Special issue) 483-488	4.66	-
136.	Srivastav M., Singh A.K., Dubey A.K., Bhagat S.K.	2014	Effect of self open-and-cross pollination with sensation on fruit set in mango cultivar Amrapali	<i>Indian Journal of Horticulture</i> 71(3): 412-414	6.13	00
137.	Srivastav M., Singh S.K., Mocha A.	2015	Evaluation of mango genotypes for jelly seed disorder	<i>Indian Journal of Horticulture</i> 72(3): 408-410	6.13	00



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
138.	Srivastav Manish, Kishor Arun, Dahuja Anil, Sharma R.R.	2010	Effect of paclobutrazol and salinity on ion leakage proline and activities of antioxidant enzymes in mango	<i>Scientia Horticulturae</i> 125: 785-788	7.37	33
139.	Srivastava K.K., Verma M.K., Ahmed N., Razvi S.M., Shabeer Ahmed	2014	Genetic variability and divergence analysis in sweet cherry (<i>Prunus avium</i> L.)	<i>Indian Journal of Horticulture</i> 71(2): 156-161	6.13	1
140.	Thakre M., Lal S., Goswami A.K., Pratibha	2013	Effect of various methods of crop regulation in guava under double-hedge row system of planting	<i>Indian Journal of Horticulture</i> 70(2): 211-216	6.13	-
141.	Thakre M., Lal S., Uniyal S., Goswami A.K., Prakash P.	2016	Pruning for crop regulation in high density guava (<i>Psidium guajava</i> L.) plantation	<i>Spanish Journal of Agricultural Rese.</i> 14 (2):	6.70	-
142.	Thakre M., Verma M.K., Singh K., Awasthi O.P., Verghese E., Sharma V.K.	2015	Effect of nutrition harvesting date and fruit canopy position on yield and quality of Kinnow mandarin (<i>Citrus nobilis</i> × <i>Citrus deliciosa</i>)	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1455-60	6.14	-
143.	Verma M.K., Ahmed N., Singh, A.K., Awasthi O.P.	2010	Temperate tree fruits and nuts in India	<i>Chronica Horticulturae</i> 50(4): 43-48	-	2
144.	Verma M.K., Lal S., Ahmed	2013	Performance of pomegranate (<i>Punica granatum</i> L.) cultivars for growth yield and physico-chemical traits under Karewa edaphological conditions in temperate climate of Kashmir valley	<i>Agriways</i> 1(2): 125-131	-	-
145.	Verma M.K., Lal S., Ahmed N.	2012	PCA and genetic divergence analysis in Indian pomegranate (<i>Punica granatum</i> L.) cultivars	<i>Progressive Horticulture</i> 44(2): 265-270	3.25	-
146.	Verma M.K., Lal S., Ahmed N., Kumar D., Singh D.B., Sagoo P.A.	2015	Genetic variability among native wild hip rose genotypes collected from Kashmir valley	<i>Indian Journal of Horticulture</i> 72(4): 250-56	6.13	-
147.	Verma M.K., Lal S., Ahmed N., Shagoo P.A.	2013	Character association and path analysis in rose (<i>Rosa sp</i>) genotypes collected from Kashmir valley	<i>African Journal of Agricultural Research</i> 8(39): 4949-55	6.00	3
148.	Verma M.K., Lal S., Mir J.I., Bhat H.A., Sheikh M.A.	2014	Genetic variability among 'Kashmiri Nakh' pear (<i>Pyrus pyrifolia</i>): A local variety grown in North-Western Himalayan region of India	<i>African Journal of Biotechnology</i> 13(33): 3352-59	-	1



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
149.	Verma M.K., Singh S.K., Prakash Jai, Singh A.K., Jha S.K.	2014	Mechanical behaviour of seed hardness in relation to physico-chemical composition of grape (<i>Vitis vinifera</i> L.)	<i>Indian Journal of Horticulture</i> 71(4): 469-75	6.13	-
150.	Verma MK, Singh SK, Prakash Jai, Singh AK, Jha SK	2014	Mechanical behaviour of seed hardness in relation to physico-chemical composition of grape (<i>Vitis vinifera</i> L.)	<i>Indian Journal of Horticulture</i> 71(4): 469-75	6.13	-
151.	Verma R.K., Ahmed N., Mir J.I., Verma M.K., Srivastava K.K., Focktoo S.Z., Rashid R., Andrabi M., Shafi W.	2014	Detection of apple mosaic and chlorotic leaf spot virus by DAS-ELISA from farmer's orchard of Kashmir valley	<i>Indian Journal of Horticulture</i> 71(4): 567-70	6.13	-

Faculty Profile

(i) Professors

S. No.	Name	Period
1.	Dr. R.R. Sharma	1.11.2006 to 30.9.2008
2.	Dr. Pritam Kalia	01-10-2008 to 19-09-2010
3.	Dr. Subodh Joshi	20-09-2010 to 29-02-2012
4.	Dr. A.K. Singh	01-03-2012 to 03-09-2012
5.	Dr. A.D. Munshi	04-09- 2012-07-09-2015
6.	Dr. S.K. Singh	08.09.2014-15.09.2016
7.	Dr. O.P. Awasthi	16.09.2016 - To date

(ii) Heads

S. No.	Name	Period
1.	Dr. A.K. Singh	June 2007-18.02.2015
2.	Dr. K. Usha (Acting)	19.02.2015-10.04.2016
3.	Dr. S.K. Singh	11.04.2016 - To date

(iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. A.K. Singh (up to 18.02.2015)	Ph.D.	Mango Improvement, Molecular Characterization of Fruit Crops	12	13
2.	Dr. S.K. Singh	Ph.D.	Grape Improvement, Plant Physiology and Tissue Culture of Fruit Crops	16	33
3.	Dr. Deep Kishore (upto 30.04.2013)	Ph.D	Physiological and Nutrient Management of Fruit Crops	5	2



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
4.	Dr. K. Usha	Ph.D.	Mango Malformation and Guava Wilt Management	10	10
5.	Dr. Awtar Singh	Ph.D.	Crop Improvement in Citrus	6	1
6.	Dr. O.P. Awasthi	Ph.D.	Citrus Improvement, Stress Management and Cropping System of Fruit Crops	7	4
7.	Dr. A.K. Dubey	Ph.D.	Mango & Citrus Improvement, Root stocks and Salinity	6	2
8.	Dr. M.K. Verma	Ph.D.	Grape Breeding and Temperate Fruit Crop Breeding	4	45
9.	Dr. Rama Talluri	Ph.D.	Plant Breeding and Molecular Cyto-genetics	-	-
10.	Dr. Kanhaiya Singh	Ph.D.	Papaya Breeding, Nursery Production	5	3
11.	Dr. R.M. Sharma	Ph.D.	Citrus Improvement & Production Technologies	7	4
12.	Dr. Manish Srivastav	Ph.D.	Mango and Citrus Improvement, Molecular Characterization of Fruit Crops	8	6
13.	Dr. V.B. Patel (upto 21.11.2011)	Ph.D.	Nutrient Management, Abiotic Stress	11	11
14.	Dr. Jai Prakash	Ph.D.	Papaya and Grape Improvement	3	1
15.	Dr. A. Nagaraja	Ph.D.	Guava Improvement & Wilt Management, Management of Mango Malformation	-	-
16.	Dr. Nimisha Sharma	Ph.D.	Molecular Characterization of Fruit Crops		
17.	Dr. Amit Goswami	Ph.D.	Guava and Papaya Improvement	3	1
18.	Dr. Madhubala Thackre	Ph.D.	Improvement in Guava	1	0
Regional Station (s)					
1.	Dr. Sunil Kumar Sharma, IARI, RS, Pune	Ph.D.	Papaya Breeding	-	-
2.	Dr. K.K. Pramanick IARI RS, Shimla	Ph.D.	Temperate Horticulture	-	-
3.	Dr. A.K. Shukla	Ph.D.	Temperate Horticulture	-	-



Vegetable Science

Tusar Kanti Behera and Brij Bihari Sharma

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Degree					
1.	2007	Pramode Kumari Negi	Genetic analysis for quantitative traits in tomato (<i>Solanum lycopersicon</i> (Mill.) Wettstd.) under low temperature regime	Dr. R.R. Sharma	-
2.	2007	Biswajit Panda	Genetics of yield and CMV resistance in cucumber utilizing <i>Cucumis sativus</i> var. <i>hardwickii</i> R. Alef.	Dr. A.D. Munshi	-
3.	2007	Jagesh Kumar	Genetic studies on yield and soil salinity tolerance in cucumber (<i>Cucumis sativus</i> L.)	Dr. A.D. Munshi	-
4.	2007	Sabina Islam	Genetics of yield and yellow mosaic disease resistance in sponge gourd (<i>Luffa cylindrica</i> Roem.)	Dr. A.D. Munshi	-
5.	2007	Binod Kumar Singh	Studies on variability and heterosis of important economic and nutritive traits in cabbage (<i>Brassica oleracea</i> L. var. <i>capitata</i> L.)	Dr. S.R. Sharma	-
6.	2008	Shrawan Singh	Genetics and molecular mapping of downy mildew resistance in cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	Dr. S.R. Sharma	-
7.	2008	Shyam Sundar Dey	Studies on heterosis and inheritance of sex expression in bitter gourd (<i>Momordica charantia</i> L.)	Dr. T.K. Behera	-
8.	2008	Krishna Reddy A.N.	Studies on molecular diversity in cucumber (<i>Cucumis sativus</i> L.) and its relationship with heterosis	Dr. A.D. Munshi	-
9.	2009	Veerendra Kumar Verma	Morphological and molecular diversity analyses of self-incompatible lines and introgression of diverse sterile cytoplasm in Indian cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	Dr. Pritam Kalia	-
10.	2009	Rajesh Kushawaha	Morphological and physiological characterization of bitter gourd for resistance to soil salinity	Dr. T.K. Behera	-
11.	2010	Latchumi Kanthan Bharathi	Phylogenetic studies in Indian <i>Momordica</i> species	Dr. A.D. Munshi	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
12.	2011	Partha Saha	Genetic and molecular investigation of black rot resistance in cauliflower	Dr. Pritam Kalia	IARI Gold Medal Award Dwarka Nath Memorial Award Jawahar Lal Nehru Award (ICAR)
13.	2011	Pradip Karmakar	Studies on heterosis and inheritance of hermaphroditism in ridge gourd (<i>Luffa acutangula</i> Roxb.)	Dr. A.D. Munshi	-
14.	2011	Dechin Droka	Identification of breeding lines and inheritance of Tomato leaf curl New Delhi Virus (ToLCNDV) in tomato (<i>Solanum lycopersicum</i> L.)	Dr. T.K. Behera	-
15.	2011	Swati Khan	Micropropagation of gynoecious lines of bitter gourd (<i>Momordica charantia</i> L.) and its utilization in hybrid development	Dr. T.K. Behera	Dwarka Nath Memorial Award
16.	2011	Dalamu	Genetic Diversity Analysis and Inheritance of Fruit Traits in Bitter Gourd (<i>Momordica charantia</i> L.)	Dr. T.K. Behera	-
17.	2011	Kalidas Pati	Inheritance studies of yield, quality traits and gynoecious sex expression in cucumber (<i>Cucumis sativus</i> L.) using exotic lines	Dr. A.D. Munshi	-
18.	2012	Smaranika Mishra	Genetics of economic traits and sex modification in bitter gourd (<i>Momordica charantia</i> L.)	Dr. T.K. Behera	DST INSPIRE Fellow
19.	2013	Vijay Bahadur Singh	Genetics of yield, processing and nutritional traits in tomato (<i>Solanum lycopersicum</i> L.)	Dr. Raj Kumar	-
20.	2015	Azeze Seyie	Genetics of cold tolerance and yield traits in tomato (<i>Solanum lycopersicum</i> L.)	Dr. Raj Kumar	-
21.	2015	Meenu Kumari	Physiological and molecular characterisation of gynoecious line and genetics of fruit traits in bitter gourd (<i>Momordica charantia</i> L.)	Dr. T.K. Behera	DST INSPIRE Fellow
22.	2015	Chingakham Premabati Devi	Studies on cross ability and genetic relationship among eggplant and wild relatives	Dr. A.D. Munshi	Dr. B.R. Barwale Award in Horticultural- Bio-technology



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
23.	2015	Brij Bihari Sharma	Molecular Mapping of Black Rot Resistance in Alien <i>Brassica</i> Species and its Introgression in Cauliflower	Dr. Pritam Kalia	DST INSPIRE Fellow Dr. B.R. Barwale Award Dwarka Nath Memorial Award
24.	2016	Flemine Xavier	Inheritance of yield and quality traits and inter-specific hybridization in Okra	Dr. Raj Kumar	-
25.	2016	P. Muthukumar	Genetics of yield and its component and marker assisted introgression of or gene for enhancing β carotene in Cauliflower	Dr. Pritam Kalia	-
26.	2016	Selvakumar R	Genetic studies for economic traits and molecular mapping for anthocyanin content in carrot (<i>Daucus carota</i> L.)	Dr. Pritam Kalia	-
27.	2016	Tshering Lhamu Bhutia	Genetics of yield traits and downy mildew resistance in cucumber	Dr. A.D. Munshi	-
28.	2016	Gograj Singh Jat	Inheritance of Gynoecy, Pathenocapy and yield related traits in Indian	Dr. A.D. Munshi	-
29.	2016	Kumari Shybha	Genetics of yield traits and inheritance study of fusarium wilt resistance in garden pea (<i>Pisum sativum</i> L.)	Dr. Shri Dhar	-
M.Sc. Degree					
30.	2007	Saurabh Rathi	Studies on Genetic Variability in Brinjal (<i>Solanum melongena</i> L.)	Dr. Ravinder Kumar	-
31.	2007	Dechin Droka	Genetical studies in tomato (<i>Solanum lycopersicon</i> (Mill.) wettsd.) under low temperature regime	Dr. Raj Kumar	-
32.	2008	Kalidas Pati	Genetic variability of cucumber (<i>Cucumis sativus</i> L.) based on morphological traits and molecular markers	Dr. Ravinder Kumar	-
33.	2008	Dalamu	Genetic variability based on economic and phytochemical traits in onion (<i>Allium cepa</i> L.)	Dr. Subodh Joshi	-
34.	2009	Kalunge Gorakh Waman	Combining ability, gene action and heterosis studies in brinjal (<i>Solanum melongena</i> L.)	Dr. Ravinder Kumar	-
35.	2010	Flemine Xavier	Studies on hybrid seed production in pumpkin under insect proof net house and open field conditions	Dr. Balraj Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
36.	2010	Chandanshive Aniket Vilas	Genetic Variability and Interrelationship Studies for Yield and Phytochemical Traits in Garlic (<i>Allium sativum</i> L.)	Dr. Subodh Joshi	-
37.	2011	Rajesh Kumar	Combining ability, gene action and heterosis studies in sponge gourd (<i>Luffa cylindrica</i> Roem.)	Dr. A.D. Munshi	-
38.	2011	Gograj Singh Jat	Studies on hybrid seed production in bittergourd under insect proof net house and open field conditions	Dr. Balraj Singh	-
39.	2012	Arul S.	Genetic architecture of yield components and diversity analysis based on DNA marker in garden pea (<i>Pisum sativum</i> ssp. Hortense)	Dr. Shridhar	-
40.	2012	Kunj Bihari Aheer	Effect of Growing Conditions on Hybrid Seed Production in Summer Squash <i>cv.</i> Pusa Alankar	Dr. Balraj Singh	-
41.	2012	Yogesh Popat Khade	Performance of CMS based Onion (<i>Allium cepa</i> L.) Hybrids for yield, phytochemical traits and storage parameters	Dr. Subodh Joshi	-
42.	2013	Jogendra Singh	Combining ability, gene action and heterosis studies in ridge gourd (<i>Luffa acutangula</i> Roxb.)	Dr. A.D. Munshi	-
43.	2013	Sandeep Kumar Singh	Genetic diversity for yield and quality traits in cowpea	Dr. Shri Dhar	-
44.	2014	Hanuman Ram	Heterosis and Combining Ability Analysis Using Ogura Cytoplasmic Male Sterility in Snowball Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	Dr. A.K. Sureja	-
45.	2014	Rahul Kumar	Morphological and molecular diversity analysis for quantitative and quality traits among YVMV resistant genotypes of okra (<i>Abelmoschus esculentus</i> (L.) Moench)	Dr. R.K. Yadav	-
46.	2015	Arvind Nagar	Assessment of Genetic Variability for Horticultural Traits in Pumpkin (<i>Cucurbita moschata</i> Duchesne ex Poir.)	Dr. A.K. Sureja	-
47.	2015	B.B. Beesanakappa	Assessment of genetic diversity in muskmelon (<i>Cucumis melo</i> L.) based on morphological and molecular analysis	Dr. H. Choudhary	-
48.	2015	Manish Kumar	Genetic diversity studies in thermo tolerant genotypes of tomato (<i>Solanum lycopersicum</i> L.)	Dr. R.K. Yadav	-
49.	2016	Gururaj Basayya Mathapati	Studies on haploidisation in short day onion (<i>Allium cepa</i> L.)	Dr. Anil Khar	-
50.	2016	Jayanta Jamatia	Morphological and molecular characterization of <i>citrullus</i> species and studies of inter specific hybridisation	Dr. H. Choudhary	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
51.	2016	B. Vanlalneihi	Biochemical and molecular characterization of genotypes in cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	Dr. Partha Saha	-
52.	2016	Siddharood Maragal	Studies on effect of planting time and fertilizer doses on growth, yield and quality of cucumber and bitter gourd grown under protected structures	Dr. A.K. Singh	-

Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis title	Chairperson	Country
Ph.D. Degree					
1.	2011	Nouri Al Amin Kushlaf	Studies on cytoplasmic male sterility mediated heterosis and parental divergence in carrot (<i>Daucus carota</i> L.)	Dr. Pritam Kalia	Libya
2.	2016	Mohamed Ibrahim Abdelha Farag	Physiological and genetic studies on drought tolerance and generation mean analysis of yield related traits in cucumber	Dr. T.K. Behera	Egypt
M.Sc. Degree					
1.	2010	Santosh Shrestha	Inheritance of root-knot nematode (<i>Meloidogyne incognita</i>) resistance and genetics of yield and related attributes in tomato (<i>Solanum lycopersicum</i> L.)	Dr. Raj Kumar	Nepal

Trainings/Winter/ Summer School/Workshop Organized

S. No.	Year	Name of the Training	No. of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2008	Vegetable cultivation and their seed production.	20	Dr. T.K. Behera
2.	2009	Hybrid seed production in vegetable crops	20	Dr. T.K. Behera
3.	2009	Vegetable Variety Development and Evaluation sponsored by FAO	7	Dr Subodh Joshi and Dr. T.K. Behera
4.	2009	Quality seed production in vegetable crops-An entrepreneurial perspective sponsored by ZTMU & BPD, IARI, New Delhi	28	Dr. P. Kalia
5.	2009	<i>Shakiye phasalon ka unnat evam sankar beej utpadan</i> sponsored by UPDASP	22	Dr. Subodh Joshi
6.	2010	Winter School on Designing Nutraceutical and Food Colorant rich Vegetable crop plants : Conventional and Molecular Approaches	25	Dr. P. Kalia Dr. T.K. Behera
7.	2012	Model Training Course on "Advance Techniques in Vegetable Hybrid Seed Production" sponsored by Min. of Agril., Govt. of India	23	Dr. R.K. Yadav
8.	2012	Dutch delegation by PPVF & RA	09	Dr. P. Kalia



S. No.	Year	Name of the Training	No. of Trainees	Name(s) of the Course Director and Co-ordinators
9.	2012	Winter School on “Breeding for High Productivity and Industry Suitable Food Colorants and Bioactive Health Compounds in Vegetable Crops – Conventional and Hi-Tech Cutting Edge approaches” Sponsored by ICAR	24	Dr. P. Kalia Dr. T.K. Behera
10.	2013	Study Tour cum Training Vegetable Seed Production Techniques and Post harvest Handling of Seeds for the DPR Korean Nationals	07	Dr. P. Kalia Dr. T.K. Behera
11.	2013	Entrepreneur Development Programme on “Vegetable Seed Production” Division of Vegetable Science & Zonal Technology Management & Business Planning and Development Unit	11	Dr. P. Kalia
12.	2013-14	Six months subject matter training programme of six scientists from Afghanistan in Horticulture discipline	06	Dr. A.D. Munshi, Dr. S.K. Singh and Dr. K.V. Prasad,
13.	2014	Model Training Centre on Entrepreneur Development to Ensure Quality Vegetable Seed Production for Making the Country Nutritionally Secure Sponsored by Directorate of Extension, Ministry of Agriculture, Govt. of India organized by Division of Vegetable Science, IARI, New Delhi - 110012	12	Dr. Pritam Kalia Dr. R.K. Yadav
14.	2014	Workshop of Indo-Australia grand challenge strategic research project	30	Dr. P. Kalia Dr. T.K. Behera
15.	2015	Model Training Course on “Promotion and organization of scientific nutrition gardening for household health security and tackling of malnutrition”. Sponsored by Directorate of Extension, Ministry of Agriculture, Govt. of India, organized by Division of Vegetable Science, IARI, New Delhi – 110012	20	Dr. P. Kalia Dr. R.K. Yadav
16.	2015	Winter School on “Advances in Improvement of Vegetable Crops using biotechnological approaches” Sponsored by ICAR organized by Division of Vegetable Science, IARI, New Delhi – 110012	25	Dr. P. Kalia Dr. Manisha Mangal
17.	2015	Model Training Course on” Entrepreneurship development to ensure quality vegetable seed production for making the country nutritionally secure” Sponsored by Directorate of Extension, Ministry of Agriculture, Govt. of India organized by Division of Vegetable Science, IARI, New Delhi – 110012	25	Dr. R.K. Yadav
18.	2016	XXXIV AICRP (Vegetable Crops) workshop	250	Dr. Pritam Kalia Dr. B.S. Tomar



Training Received by the Faculty Members within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2013	Dr. Manisha Mangal	Bioinformatics Approaches in genomics, Transcriptomics and Proteomics	November, 12-22	National Bureau of Fish genomic resources Lucknow
2.	2013	Dr. Zakir Hussain	11th Satellite based distance learning program on 'Basics of remote sensing, GIS and GNSS'	duration 5 Aug. to 20 Nov. 2013	IARI, New Delhi
3.	2013	Dr. Arpita Srivastava	Frontier technologies in the area of biotechnology, on gene isolation, characterization and breeding with reference to abiotic stress related genes	10-30 December, 2013	NRC on Plant Biotechnology, New Delhi
4.	2015	Dr. Brij Bihari Sharma	Crop Wild Relatives: Identification, Collecting and Utilization	19-28 August, 2015	NBPGR, New Delhi
5.	2015	Dr. Brij Bihari Sharma	Emerging Trends in Hybrid Vegetable Seed Production for Temperate	21-30 May, 2015	IARI Regional Station, Katrain (H.P.)

Training/ Visit Received by the Faculty Members Outside the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution /Country
1.	2007	Dr. T.K. Behera	DBT Overseas Associateship	October, 2006 to October, 2007	University of Wisconsin USA
2.	2007	Dr. A.S. Sidhu	International Learning Programme on Safe Vegetable Production held at AVRDC – Regional Centre for South Asia	October 1-7, 2007	India
3.	2007	Dr. Pritam Kalia	Asian Productivity Organization's (APO)	November 12-16, 2007	Taiwan
4.	2010	Dr. Subodh Joshi	Visit under Academic Co-Operation to Institute of Vegetable and Flowers	May 25, 2010 to June 2, 2010	China
5.	2010	Dr. T.K. Behera	Visited FAO consultant on vegetable crop breeding	20 March to 18 April, 2010	Libya
6.	2013	Dr. Harshwardhan Choudhary	Training in the area of Marker Assisted Selection (Horticulture) in the lab of Dr. Kai-Shu-Ling, Research Plant Pathologist, USDA-ARS, South Atlantic Area	16 September-14 December, 2013	Charleston, SC 29414, USA
7.	2015	Dr. T.K. Behera,	Fulbright-Nehru Academic and Professional Excellence Fellowship-2014-15	1 September - 31 Jan. 2015	USA



8.	2015	Dr. Anil Khar	Exploration, conservation of diversity of fruit and vegetable crops in the temperate zone	15-27 September, 2015	Central Asian Countries
9.	2016	Dr. Sabina Islam	Endeavour Research Fellowship	01-10-2015 to 25-03-16	Australia

Awards Conferred on Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which Gave Award
1.	2007	Dr. A.S. Sidhu	Khalsa College Alumni Award-2007	Khalsa College, Punjab
2.	2007	Dr. Pritam Kalia	Shiksha Rattan Puruskar	India International Friendship Society, New Delhi
3.	2008	Dr. A.S. Sidhu	L.C. Sikka Endowment Award Elected as Executive Councillor	NAAS, New Delhi HSI, New Delhi
4.	2008	Dr. Pritam Kalia	Dr. Kirti Singh Gold Medal in Vegetable Science Nominated as Asstt. Editor, IJH	HSI, New Delhi HSI, New Delhi
5.	2008	Dr. Subodh Josh	Nominated as Councillor	Vegetable Society of India, Varanasi
6.	2008	Dr. T.K. Behera	Best Poster Paper Award	IHC, HSI, New Delhi
7.	2009	Dr. Pritam Kalia	Himachal Shri Award for contribution in Agricultural Science. Himachal Gaurav Award	Himotkarsh Sahitya Academy Govt. of Himachal Pradesh
8.	2009	Dr. T.K. Behera	Best Paper Award	Indian Agri Science Congress held at Srinagar, J&K
9.	2010	Dr. Pritam Kalia	Best Poster Award	4 th Indian Horticulture Congress
10.	2010	Dr. T.K. Behera	Associate Editor Best Oral Presentation	Cucurbit Genetic Cooperative Report, North Carolina, USA National Conference on Production of Quality seed and Planting Materials-Health Management in Horticultural Crops
11.	2010	Dr. A.D. Munshi	Best Teacher Award	P.G. School, IARI
12.	2010	Dr. Shri Dhar	Best Poster Award	4 th Indian Horticulture Congress
13.	2010	Dr. R.K. Yadav	Young Scientist Award	Council of Science & Technology, U.P.
14.	2010	Dr. Harshwardhan Choudhary	Best Poster Award	4 th Indian Horticulture Congress
15.	2011	Dr. Subodh Joshi	Fellowship of society	Indian Society of Vegetable Science
16.	2011	Dr. T.K. Behera	Hookers Award	P.G School, IARI
17.	2011	Dr. Balraj Singh	Distinguish Scientist Award	Hi-Tech Horticultural Society, Meerut
18.	2012	Dr. P. Kalia	Elected as Executive Councilor	Horticultural Society of India
19.	2012	Dr. P. Kalia	Best Paper Award	5 th Indian Horticultural Congress
20.	2012	Dr. Partha Saha	Dwarka Nath Memorial Award	Indian Society of Vegetable Science



S. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which Gave Award
21.	2014	R.K. Yadav and P. Kalia	Best Poster Paper Award	6 th Indian Horticultural Congress
22.	2014	Dr. P. Kalia	Fellow of National Academy of Agricultural Sciences	NAAS
23.	2014	Dr. Arpita Srivastava	Dwarika Nath Memorial Award	Indian Society of Vegetable Science
24.	2015	Dr. T.K. Behera	Fellow of National Academy of Agricultural Sciences	NAAS
25.	2015	Dr. T.K. Behera	Fulbright – Nehru Academic and Professional Excellence Fellowship	USIEF
26.	2015	Dr. Shri Dhar	Fellow of Horticultural Society of India	Horticultural Society of India
27.	2015	Dr. A.D. Munshi	Indian Society of Vegetable Science Fellow	Indian Society of Vegetable Science
28.	2015	Dr. P. Kalia	Dr. Biswajeet Choudhary Memorial Award	Indian Society of Vegetable Science
29.	2015	Dr. Manisha Mangal	Young Scientist Associate	Hi tech Horticultural Society Meerut (U.P.)
30.	2016	Dr. T.K. Behera	Dr Kriti Singh Gold Medal in Vegetable Science	Horticultural Society of India
31.	2016	Dr. B.B. Sharma	Dwarka Nath Memorial Award	Indian Society of Vegetable Science
32.	2016	Dr. B.B. Sharma	Dr. B.R. Barwale Award in Horticultural-Biotechnology	Horticultural Society of India
33.	2016	Dr. B.B. Sharma	3 rd Prize in Hindi Power Point presentation on “ <i>Kisan Bechara ya Desh ka sahara</i> ”	IARI, New Delhi
34.	2016	Dr. Partha Saha	Best Poster Presentation Award	7 th Indian Horticultural Congress

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2010	Dr. T.K. Behera	Vegetable Breeding	March 20, 2010 to April 18, 2010	Libya
2.	2008	Dr. T.K. Behera	Oral Presentation in EUCARPIA Cucurbit Genetics	May, 2008	Avignon, France
3.	2009	Dr. Sabina Islam	International Conference on Horticulture	09-12 Nov., 2009	Bangalore (India)
4.	2010	Dr. Pritam Kalia	Presentation of Invited Papers in 28 th International Horticulture Congress	August 22-27, 2010	Lisbon, Portugal
5.	2010	Dr. A.D. Munshi and Dr. Ravinder Kumar	International Conference on Post Harvest Management and Valorization of Agri-Horticultural Produce and	Feb. 19-20, 2010	New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
6.	2011	Dr. Balraj Singh	Attended the “Observational Study Mission on Good Agricultural Practices (GAP)”	5-10 December, 2011	Tokyo, Japan
7.	2011	Drs. R.K. Yadav, A.K. Sureja and H. Choudhary	Global Agri Connect Conference-cum-Exhibition	14-16 October, 2011	New Delhi
8.	2012	Dr. Pritam Kalia	Attended the 2 nd Workshop on Grand Challenge Project on “Crop plants which remove their own major biotic constraints” from Australia-India Strategic Fund	8-12 December, 2012	University of Melbourne, Australia
9.	2012	Drs. T.K. Behera and A.K. Sureja	Global Conference on “Horticulture for Food, Nutrition and Livelihood Options”	28-31 May 2012	Bhubaneswar, Odisha (India)
10.	2012	Dr. Partha Saha	International conference on Agricultural and Horticultural Sciences	September 14-15, 2012	Hyderabad International Convention Centre, Hyderabad (India)
11.	2012	Dr. Shri Dhar	VI International Conference on Legume Genetics & Genomics	2-7 Oct, 2012	Hyderabad, India
12.	2012	Drs. P. Kalia, Raj Kumar, Shri Dhar, A.D. Munshi, R.K. Yadav, H. Choudhary, A.K. Sureja	Third International Agronomy Congress on Agriculture diversification, climate change management and livelihoods	26-30 Nov., 2012	New Delhi
13.	2012	Dr. T.K. Behera	Attended the 2 nd Workshop on Grand Challenge Project on “Crop plants which remove their own major biotic constraints” from Australia-India Strategic Fund	8-12 December, 2012	University of Melbourne, Australia
14.	2012	Drs. P. Kalia, T.K. Behera, A.K. Sureja and Partha Saha	International Conference on Plant Biotechnology for Food Security: New Frontiers-2012	Feb. 21-24, 2012	New Delhi
15.	2013	Dr. R.K. Yadav	International conference on impact of technological tools on food security under global warming scenario	11-12 May, 2013	Meerut, U.P. India
16.	2013	Dr. A.D. Munshi	First International Conference on Bio-Resource and Stress Management	Feb. 6-9, 2013	Kolkata, India
17.	2013	Dr. R.K. Yadav	2 nd International conference on “Agriculture, Food Technologies and Environment – New approaches” (AFTENA - 2013)	19-20 October, 2013	JNU, New Delhi
18.	2014	Dr. T.K. Behera	Cucurbitaceae-2014	12-16 October, 2014	Bay Harbor, Michigan University, USA
19.	2015	Dr. Brij Bihari Sharma	International Conference on Low temperature Science and Biotechnological Advances’	27-30 April, 2015	New Delhi, India



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
20.	2015	Dr. Anil Khar Principal Scientist	7 th International Symposium on Edible Alliaceae- ISEA 2015	21-25 May, 2015	Turkey
21.	2016	Drs. Shri Dhar, A.D. Munshi, H. Choudhary, A.K. Sureja, P. Muthukumar, G.S. Jat	1 st International Agro biodiversity Congress-2016	6-9 Nov., 2016	New Delhi

Research Publications of Faculty Members

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Kalia, P. and Yudhvir Sing	2007	Genetic architecture of soluble protein and ascorbic acid content in garden pea	<i>Veg. Sci.</i> 34(1): 101-102	4.98	-
2.	Anitha, P., Sharma, R.R., Tewari, R.N. and Sureja, A.K.	2007	Correlation and path analysis for some horticultural traits in tomato	<i>Indian J. Hort.</i> 64(1): 90-93	6.13	6
3.	Reddy, A.N.K., Munshi, A.D., Behera, T.K. and Sureja, A.K.	2007	Correlation and path analysis for yield and biochemical characters in snap melon (<i>Cucumis melo</i> . L. var. momordica Duth. and full)	<i>SABRAO Journal of Breeding and Genetics</i> 39(1): 65-72	4.00	8
4.	Singh, A.K., T.K. Behera, D. Chandel, P. Sharma and N.K. Singh	2007	Assessing genetic relationships among bitter gourd (<i>Momordica charantia</i> L.) accessions using inter simple sequence repeat (ISSR) markers	<i>Journal of Horticultural Science & Biotechnology</i> 82: 217-222	6.54	40
5.	Behera, T.K., J.E. Staub, Snigdha Behera, P.W. Simon	2007	Bitter gourd and human health	<i>Medicinal and Aromatic Plant Science and Biotechnology</i> 1: 224-226	-	11
6.	Kalia, P.	2008	Exploring cytoplasmic male sterility for F ₁ hybrid development in Indian cauliflower	<i>Cruciferae Newsletter</i> 27: 75-76	-	-
7.	Sanjay T. Satpate, Man Singh, B.S. Parihar, Manoj Khanna, D.K. Singh and Subodh Joshi	2008	Response of garlic (<i>Allium sativum</i> L.) to different crop geometry under micro-irrigation regime.	<i>Journal of Water Management</i> 16(1): 22-27	3.38	-
8.	Kalia, P. and Meenakshi, S.	2008	Combining ability in the F ₁ and F ₂ generations of diallel cross for horticultural traits and protein content in garden pea (<i>Pisum sativum</i> L.)	<i>SABRAO J. Breed & Genet.</i>	4.00	



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
20.	Behera, T.K., Staub, J.E., Behera, S. and Mason, S.	2010	Response to phenotypic and marker-assisted selection for yield and quality component traits in cucumber (<i>Cucumis sativus</i> L.)	<i>Euphytica</i> 171: 417-425	7.39	5
21.	Walia S., Singh M., Kaur, C., Kumar R. and Joshi S.	2010	Antioxidant composition of red and orange cultivars of tomatoes (<i>Solanum lycopersicon</i> L.) - A cooperative evaluation	<i>Journal Plant Biochemistry and Biotechnology</i> 19(1): 95-109	7.09	3
22.	Choudhary, H. and Singh, D.K.	2010	Correlation studies in germplasm lines of <i>Cucumis sativus</i> var. <i>hardwickii</i>	<i>Pantnagar Journal of Research</i> , 8(2): 191-194	3.26	-
23.	Zhang, T., Kaur, M., Kalia, P. and Sharma, T.R.	2010	Efficiency of different marker systems for molecular characterization of subtropical carrot (<i>Daucus carota</i> Hoffm.)	<i>Journal of Agriculture Science</i> 148: 171-181	-	7
24.	Choudhary, H, Singh, D.K. and Ram, H.H.	2010	Character association study in muskmelon	<i>Progressive Horticulture</i> 42(2): 169-172	3.25	1
25.	Choudhary, H., Verma, M.K. and Sofi, A.A.	2010	Genetic Variability, Heritability and Genetic Advance for Yield Components in Garden Pea	<i>Pantnagar Journal of Research</i> 8(2): 195-198	3.26	2
26.	Hooda, K.S., Bhatt J.C., Joshi, D., Shri Dhar and Mahajan, V.	2010	Resistance in pea genotypes against powdery mildew in North-west Himalayas.	<i>Pl. Dis. Res.</i> 25(1): 69-70	3.30	-
27.	Singhal, P., Singh, D.K., Damke, S.R. and Choudhary, H.	2010	Genetic diversity in indigenous germplasm of ash gourd	<i>Indian Journal of Horticulture</i> 67(3): 343-347	6.13	1
28.	Kishor, S. Tomar, B.S. Balraj Singh and Munshi, A.D.	2010	Effect of season, spacing and planting time on seed yield and quality in cucumber.	<i>Indian J. Hort.</i> 67(1): 66-69	6.13	2
29.	Munshi, A.D., Krishna Kumar, B. Sureja, A.K. and Joshi, S.	2010	Genetic variability, heritability and genetic advance for growth, yield and quality traits in chilli	<i>Indian J. Hort.</i> 67(1): 114-116	6.13	-
30.	Pandey, S., Dhillon, N.P.S., Sureja, A.K., Singh, D. and Malik, A.A.	2010	Hybridization for increased yield and nutritional content of snake melon (<i>Cucumis melo</i> L. var. <i>flexuosus</i>)	<i>Plant Genetic Resources: Characterization and Utilization</i> 8(2): 127-131	6.58	10
31.	Choudhary, H. and Singh, D.K.	2010	Breeding potential of Indian germplasm of <i>Cucumis sativus</i> var. <i>hardwickii</i> for cucumber improvement	<i>Acta Horticulturae</i> 871: 409-416	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
32.	Singh, D.K., Padiyar, S. and Choudhary, H.	2010	Biochemical characterization of parthenocarpic gynoecious cucumber lines, hybrids, monoecious varieties and wild relatives	<i>Indian Journal of Horticulture</i> 67(3): 343-347	6.13	4
33.	Behera T.K., Jack Staub, Snigdha Behera, Isabelle Delannay, and Jin Chen	2011	Marker assisted backcross selection in an interspecific <i>Cucumis</i> population broadens the genetic base of cucumber (<i>Cucumis sativus</i> L.)	<i>Euphytica</i> 178: 261-272	7.39	4
34.	Shri Dhar, Sharma R.R. and Kumar, M.	2011	Evaluation of advance lines for resistance to <i>Fusarium</i> wilt and horticultural traits in garden pea (<i>Pisum sativum</i> var. <i>hortense</i>)	<i>Indian J. Agril. Sci.</i> 81(2): 185-86	6.14	-
35.	Singh D. and Shri Dhar	2011	Bio-PCR based diagnosis of <i>Xanthomonas campestris</i> pathovars in black rot infected leaves of crucifers	<i>Indian Phytopath</i> 64(1): 7-11	4.59	15
36.	Singh D., Shri Dhar and Yadav, D.K.	2011	Effect of endophytic bacterial antagonists against black rot disease of cauliflower caused by <i>Xanthomonas campestris</i> pv. <i>campestris</i>	<i>Indian Phytopath.</i> 63(2): 122-126	4.59	3
37.	Baranwal, V.K., Singh, P., Jain, R.K. and Joshi, S.	2011	First report of Garlic virus X infecting garlic in India	<i>Plant Disease</i> 95(9): 1197	7.7	3
38.	Choudhary, H., Singh, D.K., Marla, S.S and Chauhan, V.B.S.	2011	Genetic diversity among cultivated and wild germplasm of cucumber based on RAPD analysis	<i>Indian Journal of Horticulture</i> 68(2): 197-200	6.13	1
39.	T.K. Behera, A.B. Gaikwad, S Saxena, C. Bharadwaj, A.D. Munshi	2012	Morphological and molecular analyses define the genetic diversity of Asian bitter gourd (<i>Momordica charantia</i> L.)	<i>Australian Journal of Crop Science</i> 6(2): 261-266	4.00	15
40.	Kamal Kant, Ajay Arora, V.P. Singh and Raj Kumar	2012	Role of oxalic acid on shelf life and physiochemical characteristics of tomato	<i>Indian Journal of Horticulture</i> 69(2): 209-214	6.13	-
41.	Nagal, Shweta, Choudhary, H., Singh, J., Singh, B.B., Kaur, C. and Singh, K.N.	2012	Lycopene content, anti-oxidant activity and color attributes of selected watermelon cultivars grown in India	<i>International Journal of Food Science and Nutrition</i> 63(8): 996-1000	7.20	7
42.	Behera, T.K., Pal, A. and Munshi, A.D.	2012	PreGy-1 (IC0591254; INGR 12014), a bitter gourd (<i>Momordica charantia</i> L.) germplasm with predominately gynoecious habit	<i>Indian J. Plant Genet. Resour.</i> 25(3): 322-323	4.61	-



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43.	Kumar R., Munshi, A.D., Behera, T.K., Kumar, R. and Sureja, A.K.	2012	Estimates of genetic components of variation in sponge gourd (<i>Luffa cylindrica</i> Roem.)	<i>Vegetable Science</i> 39(2): 214-217	4.98	-
44.	Munshi, A.D., Islam, S., Kumar, R., Mandal, B. Behera, T.K. and Sureja, A.K.	2012	DSG-6 (IC0588956; INGR 12013), a sponge gourd (<i>Luffa cylindrica</i>) germplasm highly resistant to <i>Tomato Leaf Curl New Delhi Virus</i>	<i>Indian J. Plant Genet. Resour.</i> 25(3): 321-322	4.61	-
45.	Pramesh, D., Islam, S., Singh, J. and Baranwal, V.K.	2012	Serological and PCR detection of Garlic common latent virus associated with garlic accessions in India	<i>Medicinal Plants - International Journal of Phytomedicines and Related Industries</i> 4(2): 17-22	3.6	2
46.	Yadav R.K., Joshi Subodh, Kumar Raj, Kalia Pritam, Varshney Richa and Jain Varsha	2013	Studies on different genotypes of Indian bathua (<i>Chenopodium album</i>) for their yield, quality and antioxidant activities	<i>Indian Journal of Agricultural Sciences</i> 83(1): 26-30	6.13	-
47.	Yadav R.K., Joshi Subodh, Kumar Raj, Varshney Richa and Jain Varsha	2013	Studies on diverse genotypes of amaranth (<i>Amaranthus spp.</i>) for their antioxidant and nutritional activities	<i>Indian Journal of Agricultural Sciences</i> 83(1): 83-86	6.14	1
48.	Behera, T.K., H. Tiwari, Swati saha and P. Singhal	2013	Variation in chlorophyll and carotenoids content in bitter gourd genotypes at edible maturity stage	<i>Indian J. Hort.</i> 70: 599-602	6.13	1
49.	Das Anup, Munda G.C., Thakur N.S. Azad, Lal B., Ghosh P.K., Ngachan S.V, Bujarbaruah K.M., Yadav R.K., Mahapatra B.K., Das S.K. and Datta K.K.	2013	Integrated agricultural development in high-altitude tribal areas: a participatory watershed programme in the East Indian Himalaya	<i>Outlook on Agriculture</i> 42(2): 141-144	7.0	5
50.	Gaikwad, A.B, S. Saxena, T.K. Behera, S. Archak and S.U. Meshram	2014	Molecular marker to identify gynococious lines in bitter gourd	<i>Indian Journal of Horticulture</i> 71: 142-144	6.11	-
51.	Khosa J.S., A.S. Dhatt, K.S. Negi and A. Khar	2014	Utility of Simple Sequence Repeat (SSR) markers to realize worth of germplasm in genus <i>Allium</i> .	<i>Indian Journal of Plant Genetic Resources</i> 27(3): 238-245	4.61	1
52.	Shri Dhar and Singh D.	2014	Performance of cauliflower lines/varieties on yield and resistance to black rot	<i>Indian J. Hort.</i> 71(2): 197-201	6.11	1
53.	Hedau, N., Shri Dhar, Mahajan V., Agarwal P. and Bhatt J.	2014	'VL Tamatar 4': New tomato cultivar for open field and polyhouse cultivation	<i>Hort. Science</i> 49(1): 105-106	6.90	-



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54.	B.B. Sharma and V.K. Sharma	2014	Genetic Architecture for Horticultural Traits in Vegetable Pea	<i>Vegetos</i> 27(3): 198-201	6.00	-
55.	Nair A., A. Khar, R. Kaur and C.P. Malik	2014	Assessment of variability among Indian garlic cultivars based on morphological traits.	<i>Jour. Pl. Sci. Res.</i> 30(2): 153-166	2.40	-
56.	Nair A., A. Khar, R. Kaur and C.P. Malik	2014	Random amplified polymorphic DNA and Inter simple sequence repeat fingerprints for assessing genetic diversity of Indian garlic	<i>International Journal of Current Research</i> 6(9): 8588-8599	-	-
57.	Saxena S., A. Singh, S. Archak, T.K. Behera, Joseph K. John, S. UMeshra and A.B. Gaikwad	2014	Development of Novel Simple Sequence Repeat Markers in Bitter Gourd (<i>Momordica charantia</i> L.) Through Enriched Genomic Libraries and Their Utilization in Analysis of Genetic Diversity and Cross-Species Transferability	<i>Applied Biochemistry and Biotechnology</i> 175: 93-118	7.69	4
58.	Bhawna, M.Z. Abdin, L. Arya, Chet Ram, A. K. Sureja and M. Verma	2015	Development of novel gene-based microsatellite markers for robust genotyping purposes in <i>Lagenaria siceraria</i>	<i>Scientia Horticulturae</i> 191: 15-24	7.37	4
59.	Bhawna, M.Z. Abdin, L. Arya, D. Saha, A.K. Sureja, Chitra Pandey and M. Verma	2015	Population structure and genetic diversity in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.] germplasm from India assessed by ISSR markers	<i>Plant Syst. Evol.</i> 300: 767-773	7.42	1
60.	Behera, T.K., Sirohi, P. S., Pal, Anand and Singh, Iqbal.	2015	'Pusa Santushti': A new yielding bottle gourd high-variety	<i>International Journal of Vegetable Science</i> 21: 323-328	-	1
61.	Saini N, Hedau N, A Khar, S Yadav, JC Bhatt and PK Agrawal	2015	Marker assisted selection (MAS) for hybrid development in long-day Indian onion (<i>Allium cepa</i> L.)	<i>Indian Journal of Genetics and Plant Breeding</i> 75(1): 93-98	6.19	1
62.	Birah, A., Singh, Shrawan, Singh, P.K. and Roy, S.D.	2015	Efficacy of management modules against fruit fly (<i>Bactrocera cucurbitae</i> Coquillet) in Andaman	<i>Vegetos</i> 28(4): 62-66	6.00	-
63.	Chauhan, D.K., Bhat, J. A., Thakur, A.K., Kumari, S., Hussain, Z. and Satyawathi, C.T.	2015	Molecular characterization and genetic diversity assessment in soybean [<i>Glycine max</i> (L.) Merr.] varieties using SSR markers.	<i>Indian Journal of Biotechnology</i> 14(4): 504-510	6.39	-



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64.	Chand, S., Singh, Sharwan, Shinoy, Parappurathu, Roy, Dam, S. and Kumar, Anjani	2015	Explaining the status and scope of ecotourism development for livelihood security: Andaman and Nicobar Islands, India	<i>International Journal of Sustainable Development & World Ecology</i> , DOI: 10.1080/13504509.2015	6.00	6
65.	Choudhary, H., Singh, D.K. and Damke, S.R.	2015	Genetic variability study in <i>Cucumis sativus</i> var. <i>hardwickii</i> key to cucumber improvement	<i>International Journal of Basic and Applied Agriculture</i> 18(3):	-	-
66.	Ranjan R.K., Singh D., Sharma P. and Shri Dhar	2015	Characterization and genetic diversity of <i>Ralstonia solanacearum</i> causing brown rot disease of potato	<i>Indian Phytopath.</i> 68(4): 368-374	4.59	-
67.	Choudhary, H. Singh, D.K. and Damke, S.R.	2015	Genetic variability study in <i>Cucumis sativus</i> var. <i>hardwickii</i> : key to cucumber improvement	<i>International Journal of Basic and Applied Agriculture</i> 18(3):	-	-
68.	Saha, P., Kalia, P., Joshi, S. and Vinod	2015	Genetic analysis of yield components and curd color of midseason heat tolerant Indian cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>).	<i>SABRAO Journal of Breeding and Genetics</i> 47(2): 124-132	4.00	-
69.	Nagamani S., S. Basu, S. Singh, S.K. Lal, T.K. Behera, S.K. Chakrabarty and A. Talukdar	2015	Effect of plant growth regulators on sex expression, fruit setting, seed yield and quality in the parental lines for hybrid seed production in bitter melon (<i>Momordica charantia</i>)	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1185-1191	6.14	-
70.	Hedau, N., Shridhar, Mahajan, V., Gupta, H.S., Hooda, K.S., Agarwal, P.K. and Bhatt, J.C.	2015	'Vivek Matar 11': A New Garden Pea Cultivar	<i>International J. Veg. Sci.</i> 21(1): 3-8	-	-
71.	Hussain, Z., Yadav, Sangita, Kumar, Sanjay, Suneja, Poonam, Nizar, M.A., Yadav, S.K., Yadav, Shiv K. and Dutta, M.	2015	Molecular characterization of niger (<i>Guizotia abyssinica</i>) germplasm diverse for oil parameters score	<i>Indian J. Biotechnology</i> 14(3):	6.39)	-
72.	Birah, A., Singh, Shrawan, Singh, P.K. and Roy, S.D.	2015	Efficacy of management modules against fruit fly. <i>Bactrocera cucurbitae</i> (Coquillett) in Andaman	<i>VEGETOS: An International Journal of Plant Research</i> 28(4): 62-66	6.00	-
73.	Saha, Swati, Pritam Kalia, A.K. Sureja, Preeti Singhal and S. Sarkar	2015	Evaluation of European carrot genotypes for their nutritive characters	<i>Indian J. Hort.</i> 72(4): 506-509	6.11	-



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74.	Singh Shrawan, Swain S., Nisha M., Banu, V.S., Singh D.R., Roy, S.D.	2015	Changes in lycopene, total carotenoid and anti-radical activity in teasel gourd [<i>Momordica subangulata</i> ssp. <i>renigera</i> (G. Don) de Wilde] fruit fractions at different stages of maturity	<i>Industrial Crops and Products</i> 73: 154-163	9.21	2
75.	Singh, Shrawan, Singh, P.K., Singh, D.R. and Srivastava, R.C.	2015	Correlation and Path analysis of yield contributing traits of Dolichos bean	<i>Indian Journal of Horticulture</i> 72(3): 343	6.13	-
76.	Srivastava A, Mangal M., Saritha R.K., Jat S.L., Gosavy G.U. and Kalia P.	2015	Natural Epiphytotic Screening of Chilli Germplasm lines against leaf curl virus complex	<i>International Journal of Tropical Agriculture</i> 33(4): 3581-3586	3.03	-
77.	Sharma B.B., Sharma V.K. and Shri Dhar	2015	Combining ability studies for yield and other horticultural traits in garden pea (<i>Pisum sativum</i> var. <i>hortense</i>)	<i>Indian J. Hort.</i> 72(4): 500-505	6.13	-
78.	Tyagi, Ruchi, Vinay Sharma, Amish Kumar Sureja, Anilabh Das Munshi, Lalit Arya and Manjusha Verma	2016	Deciphering population structure and diversity in <i>Luffa cylindrica</i> (L.) M. Roem. using morphological and sequence-related amplified polymorphism markers	<i>Plant Genetic Resources: Characterization and Utilization</i> ; https://doi.org/10.1017/S1479262115000258	6.58	-
79.	Bansal, S., Mangal, M., Sharma, S.K., Yadav, D.N. and Gupta, R.K.	2016	Optimization of Process Conditions for Developing Yoghurt like Probiotic Product from Peanut	<i>Food Science and Technology-LWT</i> , 73: 6-12	8.42	-
80.	Sen Li, Yupeng Pan, Changlong Wen, Yuhong Li, Xiaofeng Liu, Xiaolan, T.K. Behera, Guoming Xing and Yiqun Weng	2016	Integrated analysis in bi-parental and natural populations reveals CsCLAVATA3 (CsCLV3) underlying carpel number variations in cucumber	<i>Theor Appl Genet</i> 129: 1007-1022	9.91	3
81.	Behera, T.K., Rao, A.R., Amarnath, R. and Kumar, R.R.	2016	Comparative transcriptome analysis of female and hermaphrodite flower buds in bitter gourd (<i>Momordica charantia</i> L.) by RNA sequencing	<i>The J. Hort. Sci. Biotechnol.</i> 91: 250-257	6.54	-
82.	Saha, P., Kalia, P., Sharma, M. and Singh, D.	2016	New source of black rot disease resistance in <i>Brassica oleracea</i> and genetic analysis of resistance	<i>Euphytica</i> 207: 35-48	7.39	1



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83.	Verma Shikha, Anurup Adak, Radha Prasanna, Shri Dhar, H. Choudhary, Lata Nain, Y.S. Shivay	2016	Microbial priming elicits improved plant growth promotion and nutrient uptake in Pea	<i>Israel Journal of Plant Sciences</i>	6.31	1
84.	Manisha Mangal, Priti Upadhyay and Pritam Kalia	2016	Characterization of Cultivated and Wild Genotypes of Brinjal (<i>Solanum Melongena</i> L.) and Confirmation of Hybridity Using Micro satellite Markers	<i>Vegetos</i> 29: 2	6.00	-
85.	Kailiang Bo, H., Y. Pan, T.K. Behera, S. Pandey, C. Wen, Y. Wang, P.W Simon, Y. Li, J. Chen, Y. Weng	2016	SHORT HYPOCOTYL 1 Encodes a SMARCA3-like Chromatin Remodeling Factor Regulating Elongation	<i>Plant Physiology</i> 172: 1273-1292	12.84	-

Research Publications of Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	S.S. Dey, T.K. Behera, A.D. Munshi, P.S. Sirohi	2007	Studies on genetic divergence in bitter gourd (<i>Mormordica charantia</i> L.)	<i>Indian Journal of Horticulture</i> 64(1): 53-57	6.13	14
2.	Kumar, J., Munshi A.D., Kumar, R. and Sharma, R.K.	2007	Estimation of gene action in cucumber (<i>Cucumis sativus</i> L.)	<i>Vegetable Science</i> 34(2): 123-126	4.98	-
3.	Rao, E.S., Munshi, A.D., Dash, P and Madhav, M.S.	2007	RAPD marker for resistance to <i>Alternaria solani</i> (early blight) in cultivated tomato (<i>Lycopersicon esculentum</i> L.)	<i>Journal of Horticultural Science and Biotechnology</i> 82(4): 513-520	6.54	2
4.	Rao, E.S., Munshi, A.D., Singh, B. and Rajkumar	2007	Studies on heterosis and combining ability for yield and resistance to early blight in tomato.	<i>Indian Journal of Horticulture</i> 64(3): 331-334	6.13	6
5.	Reddy, A.N.K., Munshi, A.D., Behera, T.K. and Sureja, A.K	2007	Correlation and path analysis for yield and biochemical characters in snap melon (<i>Cucumis melo</i> L. var. <i>momordica</i> Duth. and Full)	<i>SABRAO Journal of Breeding and Genetics</i> 39(1): 65-72	4.00	8
6.	Verma, V.K. and Behera, T.K.	2007	Heterosis studies in ash gourd [<i>Benincasa hispida</i> (Thunb.) Cogn.] for yield and related traits	<i>Journal of Tropical Agriculture</i> 45: 52-55	3.19	2
7.	V.K. Verma, T.K. Behera, A.D. Munshi, S.K. Parida, T. Mohapatra	2007	Genetic diversity of ash gourd [<i>Benincasa hispida</i> (Thunb.) Cogn.] inbred lines based on RAPD and ISSR markers and their hybrid performance	<i>Scientia Horticulturae</i> 113(3): 231-237	7.37	40



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8.	Rao, E.S., Munshi, A.D., Sinha, P. and Rajkumar	2008	Genetics of rate limiting disease reaction to <i>Alternaria solani</i>	<i>Euphytica</i> 159(1-2): 123-134	7.39	5
9.	Dalamu, D., Kaur, C., Singh, Meenakshi, Walia, Shweta, Joshi, S. and Munshi, A.D.	2008	Variations in phenolics and antioxidants in onions (<i>Allium cepa</i> L.): Genotype selection for breeding	<i>Nutrition & Food Science</i> 40(1): 82-83	5.09	7
10.	Islam S., Munshi, A.D., Kumar, R., Behera, T.K. and Lal, S.K.	2008	Evaluation of sponge gourd hybrids for yield and related traits	<i>Cucurbit Genetics Cooperative Report</i> 31-32: 1-2	-	-
11.	S.S. Dey, T.K. Behera, A.D. Munshi, R. Bhatia	2009	Genetic variability, genetic advance and heritability in bitter gourd (<i>Momordica charantia</i> L.)	<i>Indian Agriculturist</i> 53(1/2): 7-12	2.58	3
12.	Reddy, A.N.K., Munshi, A.D., Kumar, R. and Singh, B.	2009	Studies on heterosis and its component traits in cucumber (<i>Cucumis sativus</i> L.)	<i>Pusa AgriScience</i> 32: 22-25	2.20	-
13.	Tiwari, J.K., Munshi, A.D., Kumar, R. and Sureja, A.K.	2009	Heterosis for yield and its components in hybrids of salinity tolerant and sensitive cucumber inbreds.	<i>Vegetable Science</i> 36(2): 184-187	4.98	-
14.	Tiwari, J.K., Munshi, A.D., Kumar, Ravinder, Sharma, R.K. and Sureja, A.K.	2009	Combining ability for yield and related traits in cucumber (<i>Cucumis sativus</i> L.)	<i>Vegetable Science</i> 36(2): 159-162	4.98	-
15.	Kumar, J., Munshi, A.D., Kumar, R. and Sureja, A.K.	2009	Combining Ability Studies in Cucumber (<i>Cucumis sativus</i> L.) under salinity condition.	<i>Indian J. Plant Genet. Resour.</i> 22(3): 221-224	4.61	-
16.	Dey, S.S., Behera, T.K., Munshi, A.D. and Pal, A.	2010	Gynoecious inbred with better combining ability improves yield and earliness in bitter gourd (<i>Momordica charantia</i> L.)	<i>Euphytica</i> 173: 37-47	7.39	19
17.	Singh, B.K., Sharma, S.R., Kalia, P. and Singh, B.	2010	Character association and path analysis of morphological and economic traits in cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>)	<i>Indian J. Agric. Sci.</i> 80(2): 116-118	6.14	7
18.	Singh, S., Kalia, P. and Sharma, S. R.	2010	Cauliflower genotypes resistant to downy mildew	<i>Cruciferae Newsletter</i> 29: 39-41	-	-
19.	Tiwari, J.K., Munshi, A.D., Kumar, R., Pandey, R.N., Arora, A., Bhat, J.S. and Sureja, A.K.	2010	Effect of salt stress on cucumber: Na ⁺ -K ⁺ ratio, osmolyte concentration, phenols and chlorophyll content	<i>Acta Physiological Plantarum</i> 32: 103-114	7.58	36



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20.	Verma, V.K., Kalia, P., Dargan, S. and Bhatt, S.R.	2010	Introgression of cytoplasmic male sterility from <i>Erucastrum canariense</i> and <i>Brassica tournefortii</i> to indian cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.) using embryo culture	<i>Cruciferae Newsletter</i> 29: 39-41	-	-
21.	Islam Sabina, A.D. Munshi, Bikash Mandal, Ravinder Kumar, T.K. Behera	2010	Genetics of resistance in <i>Luffa cylindrica</i> Roem. against <i>Tomato leaf curl New Delhi virus</i>	<i>Euphytica</i> 174: 83-89	7.39	16
22.	Verma Veerendra, T.K. Behera and Anand Pal	2010	Heterosis and combining ability for yield and its related traits in ash gourd	<i>Indian J. Hort.</i> 67: 206-121	6.13	3
23.	Bharathi, L.K., A.D. Munshi, T.K. Behera, K. Joseph John, Vishal Nath, and I.S. Bisht	2010	Genetic resources of spine gourd (<i>Momordica dioica</i> Roxb. ex Willd.): an underexplored nutritious vegetable from tribal regions of eastern India	<i>Plant Genetic Resources: Characterization and Utilization</i> 8: 225-228	6.58	5
24.	Bharathi, L.K., Vinod, A. D. Munshi, T.K. Behera, Shanti-Chandrashekar, J. J. Kattukunnel, A.B. Das, and Vishalnath	2010	Cyto-morphological evidence for segmental allopolyploid origin of Teasle gourd (<i>Momordica subangulata</i> subsp. <i>renigera</i>)	<i>Euphytica</i> 176: 79-85	7.39	4
25.	Dalamu; Kaur, C., Singh, M., Walia, S., Joshi, S. and Munshi, A.D.	2010	Variation in phenolics and antioxidants in Indian onion (<i>Allium cepa</i> L.): Genotype selection for breeding	<i>Nutrition and Food Science</i> 40(1): 6-19	5.09	7
26.	Dey S.S., T.K. Behera, A.D. Munshi and Anand Pal	2010	Combining ability analysis in bitter gourd	<i>Indian J. Hort.</i> 67: 399-401	6.13	5
27.	Tiwari, J.K., Munshi, A.D., Kumar, R and Sharma, R.K.	2010	Gene action in cucumber (<i>Cucumis sativus</i> L.)	<i>Vegetable Science</i> 37(1): 81-83	4.98	-
28.	Tiwari, J.K., Munshi, A.D., Kumar, R. and Sureja, A.K.	2010	Studies on heterosis in slicing cucumber	<i>Indian Journal of Horticulture</i> 67(2): 197-201	6.13	4
29.	Verma, V.K. and P. Kalia	2011	Combining ability studies in early and mid maturity CMS based lines of cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	<i>Indian J. Hort.</i> 68(4): 503-506	6.13	2
30.	Bharathi, L.K., Munshi, A.D., Vinod, Chandrashekar, S., Behera, T.K., Das, A.B., Joseph John, K. and Vishalnath	2010	Cytotaxonomical analysis of <i>Momordica</i> L. (Cucurbitaceae) species of Indian occurrence	<i>Journal of Genetics</i> 90(1): 21-30	7.09	18
31.	Bharathi, L.K., Parida, S.K., Munshi, A.D., Behera, T.K., Raman, K.V and Mahapatra, T.	2011	Molecular diversity and phenetic relationship of <i>Momordica</i> spp. of Indian occurrence	<i>Genet Resour Crop Evol.</i> DOI 10.1007/s10722-011-9735-0	6.58	11



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32.	Dey, S.S., Behera, T.K., Munshi, A.D. and Bhatia, R.	2011	Estimation of gene action in bitter gourd. (<i>Momordica charantia</i> L.)	<i>Vegetable Science</i> 38(1): 85-87	4.98	-
33.	Islam Sabina, Munshi, A.D., Verma, M., Arya, L., Mandal, B., Behera, T.K., Kumar, R. and Lal, S.K.	2011	Screening of <i>Luffa cylindrica</i> Roem. for resistance against Tomato Leaf Curl New Delhi Virus, inheritance of resistance, and identification of SRAP markers linked to the single dominant resistance gene	<i>The Journal of Horticultural Science & Biotechnology</i> 86(6): 661-667	6.54	8
34.	J.K. Tiwari, A.D. Munshi, R. Kumar, R.K. Sharma, J.S. Bhat and A.K. Sureja	2011	Gene effects for fruit yield and its component traits in cucumber (<i>Cucumis sativus</i>) using generation means analysis	<i>Indian J. Agril. Sci.</i> 81(10): 894-897	6.14	0
35.	Jagesh Kumar, A.D. Munshi, Ravinder Kumar, A.K. Sureja and R.K. Sharma	2011	Combining ability and its relationship with gene action in slicing cucumber	<i>Indian J. Hort.</i> 68(4): 507-511	6.13	5
36.	Khan, S. and Behera, T.K.	2011	Performance of Gynoecious x monoecious hybrids of bitter gourd (<i>Momordica charantia</i> L.)	<i>Cucurbit Genetics Cooperative Report</i> 33-34: 65-66	-	-
37.	Kumar, Mahesh, P. Kalia, S.R. Sharma and P. Saha	2011	Genetic variability for curd traits in heat tolerant cauliflower	<i>Cruciferae Newsletter</i> 30: 28-32	-	-
38.	Rathi, S., Kumar, R., Munshi, A.D. and Verma, M.	2011	Breeding potential of brinjal (<i>Solanum melongena</i> L.) genotypes using D ² analysis	<i>Indian Journal of Horticulture</i> 68(3): 328-331	6.13	8
39.	Tiwari, J.K., Munshi, A.D., Kumar, R., Sharma, R.K. and Sureja, A.K.	2011	Inheritance of salt tolerance in cucumber (<i>Cucumis sativus</i> L.)	<i>Indian J. Agril. Sci.</i> 81(5): 398-401	6.14	1
40.	Pramode Kumari Negi, R.R. Sharma and Raj Kumar	2012	Heterosis and inbreeding depression in tomato under low temperature regime	<i>Indian Journal of Horticulture</i> 69(3): 443-445	6.13	1
41.	Santosh Shreshtha, Raj Kumar, T.K. Behera and H.K. Sharma	2012	Inheritance of resistance to root knot nematode (<i>Meloidogyne incognita</i> Race-1) in tomato (<i>Solanum lycopersicum</i> L.) Pusa -120	<i>Journal of Horticultural and Biotechnology</i> 87(3): 211-216	6.54	1
42.	Dalamu, T.K. Behera, A. B. Gaikwad, Swati Saxena, C. Bharadwaj and A.D. Munshi	2012	Morphological and molecular analyses define the genetic diversity of Asian bitter gourd (<i>Momordica charantia</i> L.)	<i>Australian Journal of Crop Science</i> 6(2): 261-267	4.00	15
43.	Bharathi, L.K., Munshi, A. D., Behera, T.K., Vinod, Joseph John, K. Das, A.B., Bhat, K.V. and Sidhu, A.S.	2012	Production and preliminary characterization of novel inter-specific hybrids derived from <i>Momordica</i> species	<i>Current Science</i> 102(2): 178-186	6.93	14



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
44.	Islam, Sabina, Munshi, A.D., Kumar, Ravinder	2012	Studies on heterosis and combining ability for earliness and yield in sponge gourd	<i>Indian Journal of Horticulture</i> 69(3): 348-352	6.13	1
45.	Verma, M., Rathi, S., Munshi, A.D., Kumar, A., Arya, L., Bhat, K.V. and Kumar, R.	2012	Genetic diversity of Indian brinjal revealed by RAPD and SSR markers	<i>Indian J. Hort.</i> 69(4): 517-522	6.13	4
46.	Dey, S.S., Behera, T.K., Munshi, A.D., Rakshit, S. and Bhatia, R.	2012	Utility of gynococious sex form in heterosis breeding of bitter gourd and genetics of associated vegetative and flowering traits	<i>Indian J. Hort.</i> 69(4): 523-529	6.13	2
47.	Kushlaf Nouri and Kalia, P.	2012	Nutrient Rich CMS Hybrid Breeding in Tropical Carrots (<i>Daucus carota</i>)	Proc. XXVIIIth IHC – IS on Emerging Health Topics in Fruits and Vegetables Acta Hort. 939	-	-
48.	Rajesh Kumar, A.D. Munshi, T.K. Behera, Ravinder Kumar and Amish Kumar Sureja	2012	Estimates of genetic components of variation in sponge gourd (<i>Luffa cylindrica</i> Roem.)	<i>Vegetable Science</i> 39(2): 214-217	4.98	-
49.	Saha, Swati, Behera, T.K., Singh, S.K., Munshi, A.D., Srivastav, Manish	2013	Responses of <i>in vitro</i> raised bitter gourd plantlets to arbuscular mycorrhiza fungal species	<i>Indian J. Hort.</i> 70(2): 223-229	6.13	-
50.	Singh, S., S.R. Sharma, Kalia P., Sharma P., Kumar V., Kumar R., Meena B.L., Kumar S. and Sharma T.R.	2013	Screening of cauliflower (<i>Brassica oleracea</i> L. var. <i>botrytis</i> L.) germplasm for resistance to downy mildew [<i>Hyaloperonospora parasitica</i> Constant (Pers.: Fr) Fr.] and designing appropriate multiple resistance breeding strategies	<i>J. Hort. Sci. Biotechnol.</i> 88(1): 103-109	6.54	1
51.	Tiwari, J.K., Munshi, A.D., Kumar, R, Sureja, A.K., and Sharma, R.K	2013	Combining ability and its relationship with gene action in slicing cucumber	<i>Indian J. Hort.</i> 70(1): 135-138	6.13	-
52.	L.K. Bharathi, A.D. Munshi, T.K. Behera, K. Joseph John ² , K.V. Bhat ³ and A.S. Sidhu	2013	Morphological relationship among the <i>Momordica</i> species of Indian occurrence	<i>Indian J. Genet.</i> 73(3): 278-286	6.19	1
53.	Droka Dechin, Kumar Raj, Joshi Subodh and Yadav R.K.	2014	Genetics of yield and yield contributing traits in tomato under low temperature grown climatic regime	<i>Indian Journal of Horticulture</i> 70(2): 243-247	6.13	-
54.	Saha, P. Kalia P., Sonah, H. and Sharma, T.R.	2014	Molecular mapping of black rot resistance locus xcalbo on chromosome 3 in indian cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	<i>Plant Breeding</i> DOI: 10.1111/pbr.12152	7.6	5



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
55.	Karmakar, P., Munshi A. D., Behera, T.K., Kumar R, Kaur C. and Singh, B.K.	2014	Hermaphrodite inbreds with better combining ability improve antioxidant properties in ridge gourd [<i>Luffa acutangula</i> (Roxb.) L.]	<i>Euphytica</i> 191: 75-84	7.39	3
56.	Karmakar P, Munshi A.D., Behera T.K., Sureja A.K.	2014	Heterosis in ridge gourd (<i>Luffa acutangula</i> roxb.) using hermaphrodite lines	<i>Indian Journal of Horticulture</i> 71(3): 249-353	6.13	-
57.	Mishra, S; Behera, T.K; Munshi, A.D; Gaikwad, K. and Mohapatra, T.	2014	Identification of RAPD marker associated with gynoeocious trait ('gy-1' gene) in bitter gourd (<i>Momordica charantia</i> L.)	<i>Australian Journal of Crop Science</i> 8(5): 706-710	4.00	-
58.	Premabati Devi C., A.D. Munshia, T.K. Beheraa, H. Choudharya, Vinod, B. Gurung and P. Saha	2015	Cross compatibility in interspecific hybridization of eggplant, <i>Solanum melongena</i> , with its wild relatives	<i>Scientia Horticulturae</i> 193: 353-358	7.37	-
59.	Arul S, Shri Dhar, H. Choudhary, R. Sharma K. and R.R. Kumar	2015	Molecular marker based studies on genetic diversity in garden pea	<i>Indian J. Hort.</i> 71(4): 574-576	6.11	-
60.	Singh, S., Sharma, S.R., Kalia, P., Deshmukh, R., Katara, J., Sharma, P. and Sharma, T.R.	2015	Identification of putative DNA markers for disease resistance breeding in Indian cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.)	<i>Indian J. Biotechnology</i> 14: 455-460	6.51	-
61.	Seyie Azeze, Raj Kumar, T.K. Behera and R.K. Yadav	2015	Screening of tomato genotypes for vegetative and reproductive characters under low temperature regime	<i>Indian J. Hort.</i> 72(3): 359-364	6.13	-
62.	Kumari Meenu, T.K. Behera, A.D. Munshi and A. Talukadar	2015	Inheritance of fruit traits and generation mean analysis for estimation of horticultural traits in bitter gourd	<i>Indian J. Hort.</i> 72(1): 43-48	6.13	-
63.	Saha S. And T.K. Behera	2015	Studies on standardization of acclimatization of micropropagated bitter gourd (<i>Momordica charantia</i>) plants	<i>Indian J. Agril. Sci.</i> 85(5): 645-648	6.14	-
64.	Mishra, Smaranika, Behera T.K., Munshi A.D., Bharadwaj C. and Rao A.R	2015	Inheritance of gynoeicism and genetics of yield and yield contributing traits through generation mean analysis in bitter gourd	<i>Indian J. Hort.</i> 72(2): 218-222	6.13	-
65.	Saha S. and T.K. Behera	2015	Standardization of Techniques for in vitro Multiplication of Gynoeocious Line in Bitter Gourd	<i>Vegetos</i> 28(4): 48-53	6.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
66.	Pati, K.A.D. Munshi, T.K. Behera and A. Sureja	2015	Gynoecious inbred improves yield and earliness in cucumber (<i>Cucumis sativus</i>)	<i>Indian J. Agril. Sci.</i> 85(12): 89-93	6.14	-
67.	Mishra, S, T.K. Behera and A.D. Munshi	2015	Induction and Morphological Characterization of Hermaphrodite Flowers in a Gynoecious Line of Bitter Gourd by Silver Nitrate, Gibberellic Acid, and Silver Thiosulfate	<i>International Journal of Vegetable Science</i> 21: 204-211	-	1
68.	Pati K., A.D. Munshi and T.K. Behera	2015	Inheritance of gynoecism in cucumber (<i>Cucumis sativus</i> L.) using genotype gbs-1 as gynoecious parent	<i>Genetika</i> 47: 349-356	-	-
69.	Premabati Devi C., A.D. Munshia, T.K. Behera, H. Choudharya, Vinod, B. Gurung and P. Saha	2015	Cross compatibility in interspecific hybridization of eggplant, (<i>Solanum melongena</i>) with its wild relatives	<i>Scientia Horticulturae</i> 193: 353-358	7.60	
70.	Jat, G.S, Munshi A.D., Behera T.K., Choudhary H., Dev B.	2015	Exploitation of heterosis in cucumber for earliness, yield and yield components utilizing gynoecious lines	<i>Indian Journal of Horticulture</i> 72(4): 494-499	6.13	-
71.	Pati, K., A.D. Munshi, T.K. Behera, R. Kumar and P. Karmakar	2015	Estimating combining ability for yield and yield contributing traits in cucumber	<i>Indian J. Hort.</i> 72(1): 49-53	6.13	-
72.	Veerendra Kumar Verma and Pritam Kalia	2015	Combining ability analysis and its relationship with gene action and heterosis in early maturity cauliflower	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i> DOI: 10.1007/s40011-015-0664-0	6.0	
73.	Sharma B.B., P. Kalia, D.K. Yadava, Dinesh Singh and T.R. Sharma	2016	Genetics and Molecular mapping of black rot resistance locus Xca1bc on chromosome B-7 in Ethiopian mustard (<i>B. carinata</i> A. Braum.)	<i>PloS one</i> , 11(3), p.e0152290	9.23	-
74.	Premabati Devi C., A.D. Munshia, T.K. Beheraa, H. Choudharya, Vinod, B. Gurung and P. Saha	2016	Characterisation of cultivated breeding lines of eggplant (<i>Solanum melongena</i> L.) and related wild <i>Solanum</i> species from India	<i>J. Hort. Sci. & Biotechnol.</i> 193: 353-358	6.54	-
75.	Shubha K., Shri Dhar, H. Choudhary, S.C. Dubey and R.K. Sharma	2016	Identification of resistant sources and inheritance of Fusarium wilt resistance in garden pea (<i>Pisum sativum</i> ssp. <i>hortense</i>)	<i>Indian J. Hort.</i> 73.3 (2016): 356-361	6.13	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
76.	Kumar Rahul, Yadav R.K., Bhardwaj Rakesh, Baranwal V.K. and Chaudhary H.	2016	Studies on genetic variability of nutritional traits among YVMV resistance okra germplasm	<i>Indian Journal of Horticulture</i> 73.2: 202-207	6.13	-
77.	Jat, G.S., Munshi A.D., Behera T.K., Tomar B.S.	2016	Combining ability estimation of gynococious and monoecious hybrids for yield and earliness in cucumber (<i>Cucumis sativus</i>)	<i>Indian Journal of Agricultural Sciences</i> 86(3): 399-403	6.14	-
78.	Devi, Premabati C., A.D. Munshi, T.K. Behera, H. Choudharya and P. Saha	2016	Characterisation of cultivated breeding lines of eggplant (<i>Solanum melongena</i> L.) and related wild <i>Solanum</i> species from India	<i>The Journal of Horticultural Science and Biotechnology</i> 91: 88-94	6.54	-
79.	Saha S, Behera T.K., Munshi A.D., Singh S.K., Saha T.N.	2016	Novel strategy for maintenance and mass multiplication of gynococious line in bitter gourd through micropropagation	<i>Indian Journal of Horticulture</i> 73(2): 208-212	6.13	-

Faculty Profile

Heads

S. No.	Name	Period
1.	Dr. A.S Sidhu	30-09-2006 to 31-01-2009
2.	Dr. Subodh Joshi (Acting, Head)	01-02-2009 to 31-01-2010
3.	Dr. Pritam Kalia	01-02-2010 to 04-04-2016
4.	Dr. B.S. Tomar	05-04-2016 Continue

Professors

S. No.	Name	Period
1.	Dr. R.R. Sharma	1.11.2006 to 30.9.2008
2.	Dr. Pritam Kalia	01-10-2008 to 19-09-2010
3.	Dr. Subodh Joshi	20-09-2010 to 29-02-2012
4.	Dr. A.K. Singh (FHT)	01-03-2012 to 03-09-2012
5.	Dr. A.D. Munshi	04-09-2012 to 15-10-2015
6.	Dr. T.K. Behera	16-10-2015 Continuing

Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. Bhoopal Singh Tomar	Ph.D.	Seed science and technology	03	01



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
2.	Dr. Pritam Kalia	Ph.D.	Vegetable breeding	06	02
3.	Dr. Shri Dhar	Ph.D.	Vegetable breeding	03	-
4.	Dr. Anilabh Das Munshi	Ph.D.	Vegetable breeding	09	-
5.	Dr. Tusar Kanti Behera	Ph.D.	Vegetable breeding	21	38
6.	Dr. Anil Khar	Ph.D.	Vegetable breeding	06	04
7.	Dr. Ramesh Kumar Yadav	Ph.D.	Vegetable breeding	08	05
8.	Dr. Praveen Kumar Singh	Ph.D.	Vegetable breeding	-	-
9.	Dr. H. Choudhary	Ph.D.	Vegetable breeding	03	-
10.	Dr. Amish Kumar Sureja	Ph.D.	Vegetable production	09	07
11.	Dr. Awani Kumar Singh	Ph.D.	Vegetable breeding	-	-
12.	Dr. (Ms.) Manisha Mangal	Ph.D.	Ag. Biotechnology	07	05
13.	Dr. Shrawan Singh	Ph.D.	Vegetable breeding	06	04
14.	Dr. (Ms.) Sabina Islam	Ph.D.	Vegetable breeding	04	-
15.	Dr. Partha Saha	Ph.D.	Vegetable breeding	03	-
16.	Dr. (Ms.) Arpita Srivastava	Ph.D.	Genetics and plant breeding	-	-
17.	Dr. Brij Bihari Sharma	Ph.D.	Vegetable breeding	03	-
18.	Dr. (Ms.) Y.A. Lyngdoh	Ph.D.	Vegetable breeding	-	-
IARI-Regional Station, Katrain, HP					
19.	Dr. Raj Kumar	Ph.D.	Vegetable breeding	7	-
20.	Dr. Vinod Kumar Sharma	Ph.D.	Vegetable breeding	6	-
21.	Dr. Shyam Sunder Dey	Ph.D.	Vegetable breeding	7	7
22.	Dr. Sandeep Kumar	Ph.D.	Vegetable science	-	-



School of Crop Protection



Agricultural Chemicals

Irani Mukherjee

Students Awarded Degree

Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
M.Sc. Students					
1.	2007	Ahammed Shabeer T.P.	Adsorption-Desorption, Persistence and Leaching of Carpropamid in Soil under Laboratory Conditions	Dr. Suman Gupta	-
2.	2009	Totan Adak	Persistence of spinosad in/on tomato Lycopersicon esculentum Mill	Dr. Irani Mukherjee	-
3.	2009	Niladri Sekhar Chatterjee	Degradation and Mobility Behavior of Fipronil in Soil	Dr. Suman Gupta	IARI Gold Medal
4.	2009	Abinesh Bose	Biocatalytic amidation of phenolic acids and their bioefficacy evaluation	Dr. N.A. Shakil	-
5.	2009	Abinesh Bose	Biocatalytic amidation of phenolic acids and their bioefficacy evaluation	Dr. N.A. Shakil	-
6.	2010	Kumelachew Mulu Loha	Synthesis of Polyethylene glycol (PEG) based nanopolymers for the encapsulation of β -Cyfluthrin and its environmental fate	Dr. N.A. Shakil	-
7.	2011	Parshant Kaushik	Synthesis of functionalised amphiphilic copolymers for the encapsulation of thiram	Dr. N.A. Shakil	IARI Merit Medal
8.	2011	Nandkishore Sudhakar Thombare	Synthesis and nitrification inhibitory activity of novel oxazolones	Dr. Rajesh Kumar	IPNI* award
9.	2012	Shaon Kumar Das	Persistence and Mobility Behavior of Flubendiamide	Dr. Irani Mukherjee	-
10.	2012	S. Navakishore Reddy	Sorption and Dissipation of Pyraclostrobin in soil	Dr. Suman Gupta	-
11.	2012	Tilak Mondal	Synthesis and biological activity of novel azomethine compounds	Dr. Rajesh Kumar	-
12.	2013	Ch. Jamkhokai Mate	Persistence and leaching behaviour of spiromesifen in soil	Dr. Irani Mukherjee	-
13.	2013	Ashish Khandelwal	Sorption, Persistence and Mobility Behaviour of Kresoxim Methyl in Soil	Dr. Suman Gupta	IARI Gold Medal



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
14.	2013	Vikrant Singh	Synthesis and pesticidal activity of 1, 3, 4-thiadiazole derivatives	Dr. Rajesh Kumar	-
15.	2014	Ningthoujam Samarendra Singh	Sorption and persistence of clothianidin in soil	Dr. Irani Mukherjee	-
16.	2014	Pushpendra Koli	Synthesis of o-alkylated amphiphilic polymers for the encapsulation of carbendazim	Dr. N.A. Shakil	-
17.	2015	Naveen Kumar	Persistence and sorption of tricyclazole in soil	Dr. Irani Mukherjee	Graduate Research Assistant, The Institute of Environmental and Human Health, Texas Tech University, Lubbock, TX
18.	2015	Abran Singh Kushwah	Chemical profiling of essential oils from <i>Melaleuca bracteata</i> , <i>Chenopodium ambrosioides</i> and <i>Artemisia scoparia</i> and their bioefficacy evaluation against <i>Meloidogyne graminicola</i>	Dr. N.A. Shakil	-
19.	2016	Shanonn Sangma	Sorption and leaching of antibiotics	Dr. Irani Mukherjee	ICAR-JRF
20.	2016	Niranjan Kumar	Molecularly imprinted polymers as clean up tool for selective detection of chlorpyrifos and imidacloprid	Dr. Suman Gupta	-
21.	2016	Suprabhat Pal	Preparation and pesticidal activity of 1, 3, 4-thiadiazole based nano-chemicals	Dr. Rajesh Kumar	ICAR-SRF

(ii) Ph.D. Students

Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
1.	2012	Niladri Sekhar Chatterjee	Fate of metaflumiz-One in cabbage, soil and water	Dr. Suman Gupta	-
2.	2015	Parshant Kaushik	Synthesis and insecticidal activity of novel phenolic acid based amides and their role in inducing resistance in rice against <i>Meloidogyne graminicola</i>	Dr. N.A. Shakil	-



Foreign Students Awarded Degree

(i) M.Sc. Students

Sl. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1.	2010	Kumelachew Mulu Loha	Synthesis of Polyethy-lene glycol (PEG) based nano-polymers for the encapsulation of β -Cyfluthrin and its environmental fate	Dr. N.A. Shakil	Ethiopia

Training Courses/Winter/Summer School/Workshop Organized

Sl. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2008	IUPAC sponsored First International conference: Agrochemical Protecting Crop, Health and Natural Environment	350	Jitendra Kumar and N.A. Shakil
2.	2011	National training workshop on "Innovative solutions to production of nutraceuticals and functional foods" Training on "Botanical and Biopesticides"	15 21	S. Walia, Jitendra Kumar and N.A. Shakil S. Walia, Jitendra Kumar and N.A. Shakil
3.	2012	Short term training programme under Pesticide Residue laboratory (08-04-2012 to 13-04-2012)	6	V.T. Gajbhiye
4.	2012	Short term training programme under Pesticide Residue laboratory (05-10-2012 to 11-10-2012)	5	V.T. Gajbhiye
5.	2012	IUPAC sponsored second International conference: Agrochemical Protecting Crop, Health and Natural Environment- Role of Chemistry for sustainable agriculture	400	N.A. Shakil and Jitendra Kumar
6.	2014	International training programme for Afghanistan International	4	Jitendra Kumar and N.A. Shakil
7.	2015	Smart Agro-input Delivery Approaches Based on Hydrogels and Other Polymeric Carriers for Improved Crop Health and Productivity	21	Dr. Anupama Dr. Dhruva Jyoti Sarkar
8.	2016	IUPAC sponsored 3rd International Conference on Agrochemicals Protecting Crops, Health and Natural Environment: New Chemistries for Phytomedicines and Crop Protection Chemicals	250	N.A. Shakil and Jitendra Kumar



Training received by the Faculty Members

(i) Within the Country

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. Irani Mukherjee	Method Validation of Pesticide Residues in Soft Drinks	4 days	CFTRI, Mysore
2.	2007	Dr. Irani Mukherjee	Emerging Trends in Agri-informatics	21 days	Unit of Simulation and Informatics, IARI, New Delhi
3.	2007	Dr. S.B. Singh	“Recent Trends in Agro-Informatics”	13 Feb. to 5 March, 2007 (21 days)	Unit of Simulation and Informatics, IARI, New Delhi
4.	2007	Dr. Suman Gupta	Method validation of pesticide residues in softdrinks	9-12, July, 2007	CFTRI, Mysore
5.	2008	Dr. Irani Mukherjee	Laboratory Quality Management Systems and Internal Audit As Per IS/ISO/IEC 17025:2005	4 days	National Institute of Training for Standardization, Noida
6.	2008	Dr. Suman Gupta	Laboratory Quality Management Systems and Internal Audit As Per IS/ISO/IEC 17025:2005	19-22 August, 2008	National Institute of Training for Standardization (NITS), Noida
7.	2009	Dr. Irani Mukherjee	Analysis of pesticides in tea	2 days	IITR, Lucknow
8.	2009	Dr. Suman Gupta	PT Programme in tea and protocol standardization held at during	23-25 July 2009	IITR, Lucknow
9.	2010	Dr. Supradip Saha	Leadership development in agricultural research	5 days	MANAGE, Hyderabad
10.	2011	Dr. Suman Gupta	Data Analysis with SAS	10-15 January 2011	IASRI, New Delhi
11.	2011	Dr. Suman Gupta	Basic safety aspects of the radioisotope and radiation used	23-29 June 2011	NRL, IARI, New Delhi
12.	2011	Dr. Supradip Saha	Data analysis using SAS	6 days	IASRI, New Delhi
13.	2013	Dr. Rajesh Kumar	Short course on “Nanotechnology and Plant Disease Management”	10 days	TNAU, Coimbatore
14.	2014	Dr. Dhruva Jyoti Sarkar	“Application of Electrospun Nanofibres in Crop Health & Post-Harvest Technology”	10 days	ICAR-Central Institute for Research on Cotton Technology, Adenwala Road, Matunga, Mumbai
15.	2014	Dr. Indu Chopra	Application of Electrospun Nanofibres in Crop Health and Post Harvest Technology	10 days (15-24 Sept., 2014)	CIRCOT, Mumbai



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
16.	2015	Dr. Dhruva Jyoti Sarkar	Intellectual Property Rights in Agriculture	21 days	Zonal Technology Management & Business Planning and Development Unit, ICAR-IARI, New Delhi
17.	2015	Dr. Neethu Narayanan	Professional Attachment Training	3 months (18 November, 2015-18 February, 2016)	Special Centre for Nanosciences, Jawaharlal Nehru University New Delhi
18.	2016	Dr. Irani Mukherjee	Training programme on Laboratory Quality Management System and Internal Audit IS/ISO 17025	4 days	National institute of training for Standardization, BIS, Noida
19.	2016	Dr. Suman Gupta	Laboratory Quality Management Systems and Internal Audit As Per IS/ISO/IEC 17025:2005	13-16 September 2016	National Institute of Training for Standardization (NITS), Noida
20.	2016	Dr. Neethu Narayanan	Laboratory Quality Management and Internal Audit as per IS/ISO 17025	4 days (3-6 October, 2016)	National Institute of Training for Standardization (NITS), Bureau of Indian Standards (BIS), Noida
21.	2016	Dr. Suman Manna	103 FOCARS	3 months	ICAR-NAARM, Hyderabad
22.	2016	Dr. Suman Manna	Professional Attachment Training	3 months	CSIR-IICT, Hyderabad
23.	2016	Dr. Parshant Kaushik	Professional Attachment Training	3 Months (May 17 to August 17)	Department of Chemistry University of Delhi

(ii) Outside the Country

1.	2010	Dr. Irani Mukherjee	UNEP sponsored 6th Summer School on Environmental Chemistry and Ecotoxicology	6 days	RECETOX, Maysark University, Brno , Czech Republic
2.	2010	Dr. N. A. Shakil	International Training in the area of Nano-science application in Nutraceuticals development	60 days	Institute of Nano Science & Engineering Technology (INSET), University of Massachusetts, Lowell, MA (USA)
3.	2013	Dr. Supradip Saha	NAIP HRD Training on Nutraceuticals	3 months	Michigan State University, East Lansing, Michigan, USA



Awards Conferred on the Faculty Members

Sl. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2008	Dr. Irani Mukherjee	IARI Best Teacher Award	ICAR-IARI, New Delhi
2.	2010	Dr. Supradip Saha	ICAR award for outstanding interdisciplinary team research in agriculture and allied sciences for the biennium 2007-08	ICAR, New Delhi
3.	2010	Dr. S.B. Singh	Fellow, ISWS	Indian Society of Weed Science (ISWS), HAU, Hisar
4.	2011	Dr. S.B. Singh	Fellow, SPPS	Society of Plant Protection Science (SPPS), IARI, New Delhi
5.	2011	Dr. N.A. Shakil	SPPS Young Scientist Award	Society of Plant Protection Sciences, India (Professional Society)
6.	2011	Dr. Rajesh Kumar	NAAS Associate	National Academy of Agricultural Sciences (NAAS)
7.	2011	Dr. Supradip Saha	Pran Vohra Award	ISCA, Kolkata
8.	2012	Dr. S.B. Singh	P.B. Sarkar Memorial Endowment Lecture Award	IARI, New Delhi
9.	2012	Dr. N.A. Shakil	Best paper award (Second Prize) for Development of controlled release formulations of Imidacloprid and Thiamethox-am based on nano amphiphilic polymers	AgTech Global Summit – 2012 (9-13 December 2012) at Aurangabad (Professional Society)
10.	2013	Dr. S.B. Singh	ISWS-Gold Medal	Indian Society of Weed Science (ISWS), Jabalpur
11.	2013	Dr. Supradip Saha	NAAS Associateship	NAAS, New Delhi
12.	2013	Dr. Supradip Saha	Aryabhatta Samman	Vigyan Bharti (Swadeshi Science Movement of India), New Delhi
13.	2013	Dr. Dhruva Jyoti Sarkar	Jawaharlal Nehru award for outstanding doctoral thesis Research in agricultural and allied sciences	ICAR
14.	2013	Dr. Dhruva Jyoti Sarkar	Indian Agricultural Research Institute Gold Medal for outstanding academic performance in Doctor of Philosophy Degree Programme from the Discipline of Agricultural Chemicals at 51st convocation	ICAR-IARI



Sl. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
15.	2013	Dr. Dhruva Jyoti Sarkar	SPS INDIA best thesis award	Society of Pesticide Science India
16.	2014	Dr. Supradip Saha	Lal Bahadur Shastri Young Scientist Award, 2013	ICAR, New Delhi
17.	2015	Dr. Anupama Dr. Dhruva Jyoti Sarkar Dr. B.S. Parmar	5th National Award for Technology Innovation in various Field of Petrochemicals and Downstream Plastic Processing Industry	Ministry of Chemicals and Fertilizers, Government of India
18.	2015	Dr. S.B. Singh	Best Poster Award	Society of Pesticide Science India during <i>National symposium on 'Agrochemicals for food and environment safety'</i>
19.	2016	Dr. Irani Mukherjee	Fellow of Society of Pesticide Science	Society of Pesticide Science, India
20.	2016	Dr. Supradip Saha	P.B. Sarkar Memorial Endowment Lecture Award, 2013-14	ICAR-IARI, New Delhi
21.	2016	Dr. Parshant Kaushik	S.P.S. India, Best Thesis Award, 2016	SPS India

Faculty Participation in International Conference/Seminar/Assignments

Sl. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2008	Dr. Irani Mukherjee	IUPAC sponsored First International conference: Agrochemical Protecting Crop, Health and Natural Environment	January 8-11, 2008	IARI, New Delhi
2.	2010	Dr. Suman Gupta	UNEP sponsored 6th Summer School on Environmental Chemistry and Ecotoxicology from 28 June-3, July 2010 in Brno, Czech Republic	6 days 28 June-3 July 2010	Brno, Czech Republic
3.	2010	Dr. Supradip Saha	3rd International Conference on Parthenium. I.A.R.I., New Delhi	December 8-10, 2010	New Delhi
4.	2012	Dr. Irani Mukherjee	IUPAC sponsored second International conference: Agrochemical Protecting Crop, Health and Natural Environment- Role of Chemistry for sustainable agriculture	February 15-18, 2012	IARI, New Delhi
5.	2012	Dr. N.A. Shakil	13th International Symposium on Natural Products Chemistry at HEJ, Research Institute, University of Karachi, Karachi, Pakistan during September 22-25, 2012 (Invited speaker)	4 days	Karachi, Pakistan



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
6.	2014	Dr. S.B. Singh	<i>International Conference</i> on Integrated agriculture and allied research: Prioritizing future potentials for secure livelihoods	4 days Nov. 6-9, 2014	BCKV, West Bengal
7.	2014	Dr. N.A. Shakil	13th IUPAC Congress on Pesticide Chemistry (Invited speaker)	4 days	San Francisco, CA, USA
8.	2014	Dr. Supradip Saha	International Seminar on Integrating Agriculture & Allied Research: Prioritizing Future Potentials for Secure Livelihoods (ISIAAR)	November 6-9, 2014	BCKV, Nadia, WB
9.	2014	Dr. Supradip Saha	International Conference on Horticulture for nutritional, livelihood and environmental security in hills: opportunity and challenges on,	May 23, 2014	UBKV Regional station, Kalimpong
10.	2014	Dr. Supradip Saha	International Conference on Horticulture for nutritional, livelihood and environmental security in hills: opportunity and challenges on	May 23, 2014	UBKV Regional station, Kalimpong
11.	2015	Dr. S.B. Singh	<i>25th Asia Pacific Weed Science Society Conference</i> on Weed science for sustainable agriculture, environment and biodiversity organized by Indian Society of Weed Science	5 days Oct 13-16, 2015	held at Hyderabad
12.	2016	Dr. Irani Mukherjee	IUPAC sponsored 3rd International Conference on “Agrochemicals Protecting Crops, Health and Natural Environment: New Chemistries for Phytomedicines and Crop Protection Chemicals	April 6-9, 2016	NAAS Complex, New Delhi
13.	2016	Dr. S.B. Singh	<i>3rd International IUPAC conference</i> on Agrochemicals protecting crops, Health and natural Environment: New Chemistries for phytomedicines and crop protection chemicals	4 days April 6-9, 2016	NAAS Complex, New Delhi
14.	2016	Dr. Supradip Saha	<i>3rd International IUPAC Conference</i> Agrochemicals Protecting Crops, Health and Natural Environment: New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April, 2016	Delhi



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
15.	2016	Dr. V.S. Rana	3rd International IUPAC Conference on Agrochemicals Protecting Crops, Health and Natural Environment: New Chemistries for phytomedicines and crop protection chemicals Asian Aromatherapy Conference (AAC 2016)	April 6-9, 2016 April 21-22, 2016	NASC Complex, New Delhi Kempinski Ambience Hotel, New Delhi
16.	2016	Dr. Dhruva Jyoti Sarkar	Agrochemicals Protecting Crops, Health, and Natural Environment: new Chemicals for Phytomedicines and Crop Protection Chemicals	4 days	Society for the Promotion of Sustai-nable Agriculture, New Delhi
17.	2016	Dr. Indu Chopra	3 rd International IUPAC conference on “Agrochemicals Protecting Crops, Health and Natural Environment – New Chemistriesfor Phytomedicines and Crop Protection Chemicals”	6-9 April 2016	New Delhi

Faculty Awards and Recognition

Sl. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award/Recognition	Nature/Description of Award/Recognition
1.	2009	Dr. Irani Mukherjee	ICAR-IARI, New Delhi	Best Teacher Award
2.	2011	N.A. Shakil	SPPS young scientist award	Society of Plant Protection Sciences, India (Professional Society)
3.	2011	Dr. Rajesh Kumar	National Academy of Agricultural Sciences (NAAS)	NAAS Associate Fellow
4.	2012	Dr. N.A. Shakil	Best paper award (Second Prize) for Development of controlled release formulations of Imidacloprid and Thiamethoxam based on nano amphiphilic polymers	AgTech Global Summit - 2012 (9-13 December 2012) at Aurangabad (Professional Society)
5.	2013	Dr. Suman Gupta	ICAR-IARI	IARI, Best Teacher Award
6.	2014	Dr. Anupama	ICAR	Punjab Rao Deshmukh Woman Scientist Award by ICAR, New Delhi



Sl. No.	Year	Name of the Faculty Member	Name of the Organisation/ Society Conferring Award/ Recognition	Nature/Description of Award/Recognition
7.	2015	Dr. Anupama	ICAR	Punjab Rao Deshmukh Woman Scientist Award by ICAR, New Delhi
8.	2016	Dr. V.S. Rana	MACP Scheme, CCRAS (Ministry of AYUSH, Govt. of India), New Delhi Judging committee of regional science exhibition, Kendria Vidhalaya, Salimar Bagh, New Delhi	Member

List of Publications (Faculty and Students)

Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Najam A.Shakil, Praveen K. Sharma, Rajesh Kumar, Pankaj, Dinesh B. Saxena and Prem Dureja	2006	Microwave Assisted one pot Synthetic method for Fungicidal and Nematicidal Schiff Bases	<i>Pesticide Research Journal</i> 18(2): 119-123	4.16	-
2.	Kaushik Majumdar, Neera Singh	2007	Effect of soil amendments on sorption and mobility of metribuzin in soils	<i>Chemosphere</i> 66: 630-637	9.34	93
3.	Kumar R., Devakumar C., Sharma V., Kakkar G., Kumar D., Panneerselvam P.	2007	Influence of physico-chemical parameters of neem (<i>Azadirachta indica</i> A Juss) oils on nitrification inhibition in soil	<i>Journal of Agricultural and Food Chemistry</i> 55: 1389-1393	8.91	25
4.	Anupama, Singh M.C., Kumar R., Parmar B.S., Kumar A.	2007	Performance of a new superabsorbent polymer on seedling and post planting growth and water use pattern of <i>Chrysanthemum</i> grown under controlled	<i>Environment Act articulturae</i> 742: 43-49	-	16
5.	Devakumar C., Kandhari J., Kumar Rajendra, Kumar D., Kumar Rajesh	2007	Synthesis and antifungal activity of some synthetic halides derived from 4-aza-1-azoniabicyclo[2,2,2]octane against sheath 04 blight (<i>Rhizoctonia solani</i> Kuhn) of rice	<i>Pesticide Research Journal</i> 19(1): 25-27	4.16	-
6.	Gupta S., Gajbhiye V.T.	2007	Persistence of Acetamiprid in Soil	<i>Bulletin of Environmental Contamination and Toxicology</i> 78(5): 349-352	7.26	19



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
7.	Gupta S., Sharma R.K., Sinha S.R., Gupta R.K., Gajbhiye V.T.	2007	Persistence of some new insecticides in brinjal and their efficacy against brinjal leafhopper and borer	<i>Pesticide Research Journal</i> 19(2): 205-209	4.16	14
8.	Mukherjee I., Gupta S., Kulshrestha A., Pant S., Singh A., Kumar A. Gajbhiye V.T., Dikshit A.K., Kulshrestha G.	2007	Simultaneous estimation of aldicarb, carbofuran and carbaryl in water by HPLC	<i>Pesticide Research Journal</i> 19(1): 128-130	4.16	1
9.	*Irani Mukherjee, Madhuban Gopal and T.K Das	2007	Soil amendment: A technique for soil remediation of Lactofen	<i>Bull Environ Contam Toxicol (USA)</i> 79: 49-52	7.26	3
10.	*Irani Mukherjee, Madhuban Gopal and D.S. Mathur	2007	Behavior of β -cyfluthrin after Foliar Application on Chickpea (<i>Cicer arietinum</i> L.) and Pigeon pea (<i>Cajanuscajan</i> L.)	<i>Bull Environ Contam Toxicol (USA)</i> 78: 85-89	7.26	11
11.	*Irani Mukherjee, S.B. Singh, P.K. Sharma, M. Jaya, M. Gopal and G. Kulshrestha	2007	Extraction of Multi-Class Pesticide Residues in Mango Fruits (<i>Mangifera indica</i> L.): Application of Pesticide Residues in Monitoring of Mangoes	<i>Bull Environ Contam Toxicol (USA)</i> 78: 380-383	7.26	7
12.	I. Mukherjee, A. Mittal	2007	Dissipation of β -cyfluthrin by two fungi <i>Aspergillus nidulans</i> var. <i>dentatus</i> and <i>Sepedonium maheswarium</i>	<i>Toxicological & Environmental Chemistry</i> 89(2): 319-326	6.83	3
13.	C. Devakumar, Madhuban Gopal, Rajesh Kumar, Neera Singh, Irani Mukherjee V.T. Gajbhiye and Prem Dureja	2007	Risk Assessment of lindane and endosulfan in Indian Environment under Stockholm Convention	<i>Pesticide Res. J.</i> 19: 268-271	4.16	-
14.	Sharma, R., J. Kumar and N.A. Shakil	2007	Efficacy of sulfonylurea herbicides alone and in combination with metribuzin for control of wild canary grass (<i>Phalaris minor</i> Retz.) in wheat (<i>Triticum aestivum</i> L.) and their residual toxicity to mungbean	<i>Pesticide Research Journal</i> 19(2): 210-214	4.16	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
15.	J. Kumar, S. Walia., N. A. Shakil and Parmar, B.S.	2007	Controlled release formulations of Cartap hydrochloride: Water and Soil release kinetics	<i>Pesticide Research Journal</i> 18(2): 122-127	4.16	2
16.	J. Kumar, Nisar, K., Arun Kumar, M.B., S. Walia., N.A. Shakil, Rajender Prasad and Parmar, B.S.	2007	Development of polymeric seed coats for seed quality enhancement of soybean	<i>Indian J. Agric. Sciences</i> 77(11): 738-743	6.16	9
17.	P. Marimuthu, N.A. Shakil and D.B. Saxena	2007	Total phenolic content and antioxidant activity of some medicinal aromatic plants and their constituents	<i>Food</i> 1(1): 65-67	-	-
18.	Singh S.B., Foster G.D. and Khan S.U.	2007	Determination of Thiophanate Methyl and Carbendazim Residues in Vegetable Samples using Microwave Assisted Extraction (MAE)	<i>J. Chromatogr.</i> 1148: 152-157	10.17	66
19.	Mukherjee. I, Singh S.B., Sharma P.K., Maisnam J., Gopal, M. and Kulshrestha G.	2007	Extraction of Multi-Class Pesticide Residues in Mango Fruits (<i>Mangifera indica</i> L.): Application of Pesticide Residues in Monitoring of Mangoes	<i>Bull. Environ. Contam. Toxicol. (USA)</i> 78(5): 380-383	7.5	7
20.	Singh S.B. and Kulshrestha G.	2007	Determination of sulfosulfuron residues in soil under wheat crop by a novel and cost effective method and evaluation of its carryover effect	<i>J. Environ. Sci. and Health Part B</i> 42: 27-32	7.2	7
21.	N.A. Shakil, Pankaj, J. Kumar, Pandey, R.K. and Saxena, D.B.	2008	Nematicidal prenylated flavanones from <i>Phyllanthus niruri</i>	<i>Phytochemistry</i> 69(3): 759-764	8.55	39
22.	Neera Singh, D. Hennecke, J. Hoerner, W. Koerdel, A. Schaeffer	2008	Degradation of trinitrotoluene in contaminated soils as affected by its initial concentrations and its binding to soil organic matter fractions	<i>J. Environ. Sci. Health A</i> 43: 348-356	7.16	5
23.	Neera Singh, D. Hennecke, J. Hoerner, W. Koerdel, A. Schaeffer	2008	Mobility and degradation of trinitrotoluene/metabolites in soil columns: Effect of soil organic carbon content	<i>J. Environ. Sci. Health A</i> 43: 682-693	7.16	13



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24.	Neera Singh, D. Hennecke, J. Hoerner, W. Koerdel, A. Schaeffer	2008	Sorption-desorption of trinitrotoluene in soils: Effect of saturating metal cations	<i>Bull. Environ. Contam. Toxicol</i> 80: 443-446	7.26	12
25.	Kumar R., Devakumar C., Kumar D., Panneerselvam P., Kakkar G., Rivalagan T.	2008	Influence of edaphic factors on the mineralization of neem oil coated urea in four Indian soils	<i>Journal of Agricultural and Food Chemistry</i> 56(21): 10183-10191	8.91	7
26.	Neera Singh	2008	Biocompost from sugar distillery effluent: Effect on metribuzin degradation, sorption and mobility	<i>Pest Manag. Sci.</i> 64: 1057-1062	8.69	21
27.	Devakumar C., Kumar R.	2008	Total synthesis of azadirachtin: A Chemical odyssey	<i>Current Science</i> 95(5): 573-575	6.93	9
28.	Neera Singh	2008	Sorption of carbaryl and ethion in synthetic biochars.	<i>Pesticide Res. J.</i> 20: 284-286	4.16	2
29.	Shakil N.A., Kumar R., Kumar J., Saxena D.B.	2008	Efficacy evaluation of 1,3-diaryl propenones as nitrification inhibitors	<i>Indian Journal of Agricultural Sciences</i> 78(4): 432-435	6.14	-
30.	Devakumar C., Kumar R., Gajbhiye V.T.	2008	Pesticides Trapped in "Bermuda Triangle": Issues in safe and sound management	<i>Pesticide Research Journal</i> 20(1): 155-159	4.16	-
31.	Gupta S., Gajbhiye V.T., Gupta R.K.	2008	Soil dissipation and leaching of a neonicotinoid insecticide thiamethoxam	<i>Bulletin of Environmental Contamination and Toxicology</i> 80: 431437	7.26	42
32.	Gupta S., Gajbhiye V.T., Gupta R.K.	2008	Effect of light on the degradation of two neonicotinoids viz Acetamiprid and Thiachloprid in soil	<i>Bulletin of Environmental Contamination and Toxicology</i> 81: 185-189	7.26	26
33.	Gupta S., Gajbhiye V.T.	2008	Dissipation of bifenthrin in water as affected by pH and temperature	<i>Pesticide Research Journal</i> 20(2): 290-294	4.16	1
34.	Sumitra Arora Irani Mukherjee and T.P. Trivedi	2008	Determination of pesticide residues in soil, water and grains from IPM and non-IPM field trials of rice	<i>Bull. Environ. Contam Toxicol (USA)</i> 81: 373-376	7.26	19



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
35.	Singh, S.B., Mukherjee, I., Maisnam, J., Kumar, P., Gopal, M., Kulshrestha, G.	2008	Determination of Pesticides in IPM and non-IPM samples of mango (<i>Mangifera indica</i>)	<i>J Environ Sci Health B (USA)</i> 43: 300-306	7.20	9
36.	Debjani Dey, Irani Mukherjee and Trimohan	2008	Evaluation of some insecticide against <i>Melanogromyza sojiae</i> Zehnt. And <i>Bemisia tabaci</i> Genn. on soybean	<i>Pesticide Res. J.</i> 20: 72-74	4.16	1
37.	Rajvir Sharma, J. Kumar and N.A. Shakil.	2008	Bio-efficacy and Selectivity of Triasulfuron at Various Doses against Complex Weed flora in Wheat (<i>Triticum aestivum</i> L.)	<i>Pesticide Research Journal</i> 20(2A): 75-78	4.16	-
38.	Rajender Parsad, V.K. Gupta, J. Kumar and N. A. Shakil	2008	Significance of statistical tools for agrochemical research	<i>Pesticide Research Journal</i> 20(2A): 8-17	4.16	-
39.	J. Kumar, N.A. Shakil, S. Walia, Pankaj and B.S. Parmar	2008	Controlled release technology: An efficient pesticide delivery system	<i>Pesticide Research Journal</i> 20(2A): 1-7. 4.16	4.16	-
40.	Nisar, K., J. Kumar, Debjani Dey, N.A. Shakil and Pankaj	2008	Development of controlled release formulations of Acephate and their bioefficacy evaluation against the mustard aphid, <i>Liaphis erysimi</i>	<i>Pesticide Research Journal</i> 20(2A): 59-62. 4.16	4.16	-
41.	Pankaj, N.A. Shakil, Anil Sirohi, J. Kumar and H. S. Gaur	2008	Lignin content and its role in systemic acquired resistance in cowpea against root-knot nematode, <i>Meloidogyne incognita</i>	<i>International Journal of Nematology</i> 18(2): 244-49	-	-
42.	Pankaj, Deepika Rohtagi, N.A. Shakil, Sirohi, Anil, J. Kumar, Gaurav, S.S., Gaur, H.S., Meher, H. C., Singh, Chitra, Veer Kishor and Bishnoi, S.P.	2008	Biochemical prediction of resistance in wheat to cereal cyst nematode, <i>Heterodera avenae</i>	<i>International Journal of Nematology</i> 18(1): 13-20	-	-
43.	N.A. Shakil, Rajesh Kumar, J. Kumar and Dinesh Bahadur Saxena	2008	Efficacy Evaluation of 1, 3-Diaryl Propenones as Nitrification Inhibitors	<i>Indian Journal of Agricultural Sciences</i> 78(5): 432-435	6.16	-
44.	Singh S.B. Lal Shashi P., Pant Shashi and Kulshrestha G.	2008	Degradation of atrazine by an acclimatized soil fungal isolate	<i>J. Environ. Sci. and Health Part B</i> 43: 27-33	7.2	8



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
45.	S.B. Singh, Mukherjee I., Maisnam J., Kumar P., Gopal, M. and Kulshrestha G.	2008	Determination of Pesticides Residues in IPM and Non-IPM Samples of Mango (<i>Mangifera indica</i>)	<i>J. Environ. Sci. and Health Part B</i> 43: 300-306	7.2	9
46.	Paul R. and Singh S.B.	2008	Phototransformation of herbicide metsulfuron methyl	<i>J. Environ. Sci. and Health Part B</i> 43: 506-512	7.2	5
47.	Kulshrestha G., Gopal, M., P. Sharma, Mukherjee I., S.B. Singh, S. Chander, R. Singh, P.K. Malhotra, S. Pant, R.K. Sharma and L.K. Kadu	2008	Strategies for developing pesticide residues free IPM packages in vegetables	<i>Pesticide Res. J. Special Issue</i> 20(2A): 22-26	4.16	-
48.	Singh S.B.	2008	HPLC Method for Simultaneous Analysis of Clodinafop and Metsulfuron methyl in Soil and Wheat Grain	<i>Pesticide Res. J. Special</i> 20(2A): 63-66	4.16	-
49.	Singh S.B. and Sharma D.	2008	Herbicide safeners –Useful tools for agrochemical	<i>Pesticide Res. J. Special Issue</i> 20(2A): 27-31	4.16	-
50.	Paul R. Sharma R. and Singh S.B.	2008	Bioefficacy of metsulfuron methyl in wheat	<i>Ann. Pl. Protec. Sci.</i> 16(1): 266-267	3.65	-
51.	Gupta S., Sharma R.K., Gupta R.K., Sinha S.R., Singh R., Gajbhiye V.T.	2009	Persistence of new insecticides and their efficacy against insect pests of okra	<i>Bulletin of Environmental Contamination and Toxicology</i> 82: 243-247	7.26	25
52.	Neera Singh, P. Dureja.	2009	Effect of biocompost-amendment on degradation of triazoles fungicides in soil	<i>Bull. Environ. Contam. Toxicol.</i> 82: 120-123	7.26	2
53.	Rakesh K. Ghosh Neera Singh	2009	Sorption and degradation of azoxystrobin in soil	<i>J. Agric. Food Chem.</i> 57: 632-636	8.91	49
54.	Aggarwal N., Kumar R., Dureja P., Rawat D.S.	2009	Schiff bases as potential fungicides and nitrification inhibitors	<i>Journal of Agricultural and Food Chemistry</i> 57: 8520-8525	8.91	41
55.	Neera Singh R.S. Kookana	2009	Organo-mineral interactions mask the true sorption potential of biochars in soils	<i>J. Environ. Sci. Health B</i> 44: 214-219	7.20	14
56.	Neera Singh	2009	Adsorption-desorption studies of herbicides on coal fly ash	<i>J. Hazardous Mat.</i> 168: 233-237	10.53	49



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
57.	Rakesh K. Ghosh Neera Singh	2009	Leaching behaviour of azoxystrobin in soil columns	<i>Pest Manag. Sci.</i> 65: 1009-1014	8.69	17
58.	Irani Mukherjee	2009	Effect of Organic Amendments on Degradation of Atrazine	<i>Bull Environ Contam Toxicol (USA)</i> 83: 832-835	7.26	15
59.	Irani Mukherjee	2009	Determination of Pesticide Residues in Honey Samples	<i>Bull Environ. Contam Toxicol (USA)</i> 83: 818-821	7.26	31
60.	Anshuman Maity and Irani Mukherjee	2009	Assessment of iprovalicarb in/on cabbage	<i>Bull Environ. Contam Toxicol (USA)</i> 83: 341-347	7.26	3
61.	N.A. Shakil, Pathipati Usharani, J. Kumar, Manish Kumar Singh, Alka Pandey, Aditi Kundu and Vivek Ahluwalia	2009	Bioefficacy evaluation of novel N-alkyl-2-hydroxyketimines (Schiff bases)	<i>Indian J. Agric. Sci.</i> 79(9): 699-702	6.16	-
62.	Keyath Nisar, J. Kumar, N.A. Shakil, Pankaj, S. Walia and Balraj S. Parmar	2009	Controlled Release Formulations of Acephate: Water and Soil Release Kinetics.	<i>Journal of Environmental Science & Health – Part B</i> 44(6): 533-537	7.20	7
63.	N.A. Shakil, J. Kumar, Pankaj, Alka Pandey, Vivek Ahluwalia, Manish Kumar Singh and Chitra Srivastava	2009	Synthesis and pesticidal activity of new N-alkyl-N-[1-(2-hydroxyphenyl) ethyl] amines	<i>Journal of Environmental Science & Health – Part B.</i> 44(4): 344-349	7.20	7
64.	Aditi Kundu, N.A. Shakil, Dinesh B. Saxena, Pankaj, J. Kumar and S. Walia	2009	Microwave assisted solvent-free synthesis and antineoplastic activities of novel imines (Schiff bases)	<i>Journal of Environmental Science & Health – Part B</i> 44(5): 428-434	7.20	18
65.	S.B. Singh, Mukherjee I., Maisnam J., Kumar P., Gopal, M. and Kulshrestha G.	2009	Determination of Pesticides Residues in IPM and Non-IPM Samples of Apple	<i>J. Agric. Food Chem.</i> 57(23): 11277-11283. DOI: 10.1021/ jf903624v	8.91	19
66.	Nisar, K., J. Kumar, S. Walia., N.A. Shakil, Arun Kumar, M.B., Parsad, R. and Parmar, B.S.	2009	Development of polymeric seed coats based on azadirachtin-A	<i>Pest Management Science</i> 65: 175-182	8.69	7
67.	Paul R., Sharma R., Kulshrestha G. and Singh S.B.	2009	Analysis of metsulfuron-methyl residues in wheat field soil : A comparison by HPLC and bioassay	<i>Pest Management Sci. (UK)</i> 65: 963-968 DOI: 10.1002/ps.1780	7.7	18



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
68.	Karmakar R., Singh S.B. and Kulshrestha G.	2009	Kinetics and mechanism of thiamethoxam hydrolysis	<i>J. Environ. Sci and Health Part B (USA)</i> 44: 435-441 DOI: 10.1080/036012309 02934785.	7.2	14
69.	Babar L., Tanwar R.S., Singh S.B. and Dureja P.	2009	Plant growth promoting activity of <i>Stevia rebaudiana</i> Betroni on rice seedlings	<i>Indian J. Pl. Physiol.</i> 14(2): 186-189	5.88	-
70.	Maisnam J., Singh S.B., Kulshrestha G. and Arya S.	2009	Adsorption behaviour of alachlor on Soil, FYM and Charcoal	<i>Pesticide Res. J.</i> 21(1): 101-104	4.16	8
71.	Dharumarajan, S. Dikshit, A.K and Singh S.B.	2009	Persistence of combination mix (β -cyfluthrin+ imidachloprid) on tomato (<i>Lycopersicon esculentum</i>)	<i>Pesticide Res. J.</i> 21: 83-85	4.16	6
72.	Maisnam J., Singh S.B., Kulshrestha G. and Arya S.	2009	Persistence of alachlor in sandy loam soil	<i>Ann. Pl. Protec. Sci.</i> 17(2): 456-458	3.65	2
73.	Venugopal, V., Pandey, A.K. Singh, S.B. and Lata	2009	Surfactant enhanced Biodegradation of pyrene by white-rot fungi	<i>Pusa Agriscience</i> 32: 42-49	-	-
74.	Saha, S., Walia, S., Kumar, J. and Parmar, B.S.	2010	Structure-biological activity relationships in triterpenic saponins: the relative activity of protobassic acid and its derivatives thereof against plant pathogenic fungi	<i>Pest Management Sciences</i> 66: 825-831	8.69	-
75.	Saha, S., Walia, S., Kumar, J., Dhingra, S. and Parmar, B.S.	2010	Screening for feeding deterrent and insect growth regulatory activity of triterpenic saponins from <i>Diploknema butyracea</i> and <i>Sapindus mukorossi</i>	<i>Journal of Agricultural and Food Chemistry</i> 58: 434-440	8.91	-
76.	Saha, S., Walia, S., Kumar, J. and Parmar, B.S.	2010	Plant growth regulatory activity of triterpenic saponins	<i>Journal of Applied Botany and Food Quality</i> 83(2): 189-195	6.76	
77.	Gupta S., Dikshit A.K.	2010	Biopesticides: An eco-friendly approach for pest control	<i>Journal of Biopesticides</i> 3(1): 186-188	3.88	74



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78.	Singh N., Singh S.B., Mukherjee I., Gupta S., Gajbhiye V.T., Sharma P.K., Goel M., Dureja P.	2010	Metabolism of 14C-azoxystrobin in water at different pH	<i>Journal of Environmental Science and Health Part B</i> 45: 123-127	7.20	19
79.	Bhatia A., Sasmal S., Jain N., Pathak H., Kumar R., Singh A.	2010	Mitigating nitrous oxide emission from soil under conventional and no-tillage in wheat using nitrification inhibitors	<i>Agriculture, Ecosystems & Environment</i> 136(3-4): 247-253	9.40	66
80.	Aggarwal N., Kumar R., Srivastava C., Dureja P., Khurana J.M.	2010	Synthesis of Nalidixic acid Based Hydrazones as Novel Pesticides	<i>Journal of Agricultural and Food Chemistry</i> 58 (5): 3056-3061	8.91	30
81.	Saha A., Kumar Rajesh, Kumar Rajendra, eva kumar C.	2010	Green Synthesis of 5-Substituted-1,3,4-thiadiazole-2-thiols as New Potent Nitrification Inhibitors	<i>Journal of Heterocyclic Chemistry</i> 47: 838-845	6.79	8
82.	Neera Singh, A.E. Berns, D. Hennecke, J. Hoerner, W. Koerdel, A. Schaeffer.	2010	Effect of soil organic matter chemistry on sorption of trinitrotoluene and 2,4-dinitrotoluene	<i>J. Hazardous Mat.</i> 173: 343-348	10.53	24
83.	Kumar D., Devakumar C., Kumar R., Das A., anneerselvam P., Shivay Y.S.	2010	Effect of neem-oil coated prilled urea with varying thickness of neem (<i>Azadirachta indica</i> A. Juss)-oil coating and N rates on productivity and nitrogen-use efficiency of lowland irrigated rice under Indo-Gangetic plains	<i>Journal of Plant Nutrition</i> 33: 1939-1959	6.49	6
84.	Saha A., Kumar Rajesh, Kumar Rajendra, Devakumar C.	2010	Development and assessment of green synthesis of hydrazides	<i>Indian Journal of Chemistry</i> 49: 526-531	6.39	31
85.	Neera Singh, S.B. Singh	2010	Effect of moisture and compost on fate of azoxystrobin in soils	<i>J. Environ Sci. Health B</i> 45: 676-681	7.20	7
86.	Irani Mukherjee, Ranbir Singh and J.N. Govil	2010	Risk Assessment of a Synthetic Pyrethroid, Bifenthrin on Pulses	<i>Bull Environ Contam Toxicol.</i> 84: 294-300	7.26	11
87.	S. Pritam, I. Mukherjee	2010	Substitution of toxicologically critical solvents in the residue analysis of acetamidiprid: Towards green chemistry	<i>Toxicological & Environmental Chemistry</i> 92(1): 13-19	6.83	1



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88.	J. Kumar, Keyath Nisar, N.A. Shakil and Rajvir Sharma	2010	Residue and bioefficacy evaluation of controlled release formulations of metribuzin against weeds in wheat	<i>Bull Environ Contam Toxicol</i> 85(3): 357-361	7.26	2
89.	J. Kumar, Nisar, Keyath, N.A. Shakil, S. Walia and Parsad, Rajender	2010	Controlled release formulations of metribuzin: Release kinetics in water and soil	<i>Journal of Environmental Science and Health, Part B</i> 45(4): 330-335	7.20	19
90.	N.A. Shakil, Mukesh Kumar Singh, Alka Pandey, J. Kumar, Pankaj, Virinder S. Parmar, Manish K. Singh, Ravi P. Pandey and Arthur C. Watterson	2010	Development of Poly (ethylene glycol) Based Amphiphilic Copolymers for Controlled Release Delivery of Carbofuran	<i>Journal of Macromolecular Science-Pure and Applied Chemistry</i> 47: 241-47	6.81	25
91.	N.A. Shakil, Manish K. Singh, J. Kumar, M. Sathiyendiran, Gaurav Kumar, Mukesh K. Singh, Ravi Prakash Pandey, Alka Pandey and V.S. Parmar	2010	Microwave synthesis and antifungal evaluations of some chalcones and their derived diaryl-cyclohexenones	<i>Journal of Environmental Science & Health, Part B</i> 45(6): 524-530	7.20	6
92.	Abinesh Bose, N.A. Shakil, Pankaj, J. Kumar and Manish K. Singh	2010	Biocatalytic amidation of carboxylic acids and their antinemic activity	<i>Journal of Environmental Science & Health, Part B</i> 45(3): 254-261	7.20	3
93.	N.A. Shakil, Alka Pandey, Manish K. Singh, J. Kumar, Satish K. Awasthi, Pankaj, Chitra Srivastava, Mukesh K. Singhand Ravi P. Pandey	2010	Synthesis and bioefficacy evaluation of new 3-substituted-3,4-dihydro-1,3-benzoxazines	<i>Journal of Environmental Science & Health, Part B</i> 45(2): 108-115	7.20	9
94.	V. Pachauri, M.K. Singh, A.K. Singh, Sanjay Singh, N.A. Shakil, V.P. Singh and N.K. Singh	2010	Origin and genetic diversity of aromatic rice varieties, molecular breeding and chemical and genetic basis of rice aroma	<i>J. Plant Biochemitsry and Biotechnology</i> 19(2): 127-143	7.09	-
95.	J. Kumar, N.A. Shakil, Chandra, S.S. Walia., Shukla, L. and Parmar, B.S.	2010	Field appraisal of controlled release formulations of cartap hydrochloride against the rice leaf-folder	<i>Cnaphalocrocis medinalis. Indian J. Agric. Sciences</i> 80(5): 405-408	6.16	6



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96.	Bhalla K., Singh S.B. and Agarwal R.	2010	Quantitative determination of gibberellins by high performance liquid chromatography from various gibberellins producing <i>Fusarium</i> strains	<i>Environ. Monitor. Assessment (USA)</i> 167(1-4): 515-520 DOI: 10.1007/s10661-009-1068-5	7.68	17
97.	Mofazzal Husain, Vineet Kumar, Rajesh Kumar, N.A. Shakil, S.K. Sharma, AK Prasad, C.E. Olsen, R.K. Gupta, S.V. Malhotra, E.V.D. Eycken, A.L. depass, K. Levon and V.S. Parmar	2010	Enantioselective biocatalytic reactions on (\pm)-aryl alkyl ketones with native and modified porcine pancreatic lipase	<i>Biocatalysis and Biotransformation</i> 28(3): 172-184	6.69	-
98.	Grover M., Nain L., Singh S.B. and Saxena A.	2010	Molecular and biochemical approaches for characterization of antifungal trait of a potential biocontrol agent <i>Bacillus subtilis</i> RP24	<i>Current Microbiology</i> 60: 99-106. DOI: 10.1007/s00284-009-9508-6	7.42	50
99.	J. Kumar, N.A. Shakil, Manish K. Singh, Pankaj, Mukesh K. Singh, Alka Pandey and Ravi Prakash Pandey	2010	Development of Controlled Release Formulations of Azadirachtin A employing Poly(ethylene glycol) Based Amphiphilic Copolymers	<i>Journal of Environmental Science & Health, Part B</i> , 45(4): 310-314	7.20	15
100.	Singh N., Singh S.B., Mukerjee I., Gupta S., Gajbhiye V.T., Sharma P.K., Goel M. and Dureja P.	2010	Metabolism of ¹⁴ C-Azoxystrobin in Water at Different pH	<i>J. Environ. Sci and Health Part B (USA)</i> 45: 123-127 DOI: 10.1080/03601230903471910	7.2	19
101.	Choudhary P., Singh S.B., Nain L. and Chaudhary S.	2010	Effect of carbon sources on growth of hydrocarbon degrading strain <i>Serratiamarcensens</i> isolated from compost	<i>Ann. Pl. Protec. Sci.</i> 18(2): 543-544	3.65	5
102.	Chaudhary V., Prasanna R., Gupta V., Singh S.B., Natrajan C. and Nain L.	2010	Development of microtitre plate based assay for evaluation of fungicidal potential of cyanobacterial metabolites.	<i>Archives Phytopathology and Pl. Protec.</i> 43(14): 1435-1444. DOI: 10.1080/03235408.2010.484943	-	-
103.	Gajbhiye V.T., Gupta S., Mukherjee I., Singh S.B., Singh N., Dureja P., Kumar Y.	2011	Persistence of azoxystrobin in/on grapes and soil in different grapes growing areas of India. Bulletin of Environmental Contamination	<i>Toxicology</i> 86: 90-94	7.26	14



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104.	Gupta S., Gajbhiye V.T., Sharma R.K., Gupta R.K.	2011	Dissipation of cypermethrin, chlorpyrifos and profenofos in tomato fruits and soil following application of pre-mix formulations	<i>Environmental Monitoring and Assessment</i> 174: 337-345	7.68	25
105.	Aggarwal N., Kumar R., Dureja P., Khurana J.M.	2011	Synthesis, Antimicrobial evaluation and QSAR analysis of novel nalidixic acid based 1,2,4-triazole derivatives. European	<i>Journal of Medicinal Chemistry</i> 46(9): 4089-4099	9.45	43
106.	Kumar D., Devakumar C., Kumar R., Panneerselvam P., Das A., Shivay Y.S.	2011	Relative efficiency of prilled urea coated with major neem (<i>Azadirachta indica</i> A. Juss) oil components in lowland irrigated rice of Indo-Gangetic plains	<i>Archives of Agronomy and Soil Science</i> 57(1): 61-74	-	8
107.	Neera Singh, S.B. Singh	2011	Translocation and degradation of pyrazosulfuron ethyl in rice soil.	<i>Pest Manag. Sci.</i> 67: 1451-1456	8.69	6
108.	Kumar R., Nair K.K., Alam M.I., Gogoi R., Singh P.K., Srivastava C., Yadav S., Gopal M., Chaudhary S.R., Pradhan S., Goswami A.	2011	A simple method for the estimation of sulphur in nanoformulations by U.V. spectrophotometry	<i>Current Science</i> 100: 1542-1546	6.93	19
109.	Rakesh K. Ghosh, Raunaq, Neera Singh, S.B. Singh	2011	Comparison of herbicide sorption in different coal fly ash	<i>Pesticide Res. J.</i> 23: 74-78	4.16	1
110.	Irani Mukherjee and Sumitra Arora	2011	Impact Analysis of IPM Programs in Basmati Rice by Estimation of Pesticide Residues	<i>Bull Environ. Contam Toxicol (USA)</i> 86: 307-313	7.26	12
111.	Shaon Kumar Das and Irani Mukherjee	2011	Effect of Light and pH on Persistence of Flubendiamide Bull	<i>Environ Contam Toxicol (USA)</i> 87: 292-296	7.26	14
112.	Bhavna Gupta, Vijayendra Kumar, Gaurav Kumar, Abdullah Khan, N.A. Shakil, Ashish Dhawan, Virinder S. Parmar, Jayant Kumar & Arthur C. Watterson	2011	Amphiphilic Copolymers having Saturated and Unsaturated Aliphatic Side Chains as Nano Carriers for Drug Delivery Applications	<i>Journal of Macromolecular Science, Part A: Pure and Applied Chemistry</i> 48(12): 1009-1015	6.81	-



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113.	N.A. Shakil, Manish K. Singh, M. Sathiyendiran and J. Kumar	2011	Microwave accelerated solvent-free synthesis and antifungal evaluations of flavanones	<i>Archives of Phytopathology and Plant Protection</i> 44(20): 1958-1965	-	1
114.	J. Kumar, N.A. Shakil, M.A. Khan, Kamlesh Malik and S. Walia	2011	Development of controlled release formulations of carbofuran and imidacloprid and their bioefficacy evaluation against aphid, <i>Aphis gossypii</i> and leafhopper, <i>Amrasca biguttula biguttula</i> Ishida on potato crop	<i>Journal of Environmental Science and Health, Part B</i> 46(8): 678-682	7.20	7
115.	Loha, Kumelachew M., N.A. Shakil, J. Kumar, Singh, Manish K., Adak, Totan and Jain, Suresh	2011	'Release kinetics of β -Cyfluthrin from its encapsulated formulations in water'	<i>Journal of Environmental Science and Health, Part B</i> 46(3): 201-206	7.20	20
116.	Totan Adak, J. Kumar, N.A. Shakil, S. Walia, Abhishek Kumar & A. C. Watterson	2011	Synthesis and Characterization of Novel Surfactant Molecules Based on Amphiphilic Polymers	<i>Journal of Macromolecular Science, Part A</i> , 48(10): 767-775	6.81	7
117.	Singh N. and Singh S.B.	2011	Translocation and degradation of pyrazosulfuron ethyl in rice soil	<i>Pest Management Sci.</i> 67(11): 1451-1456 DOI: 10.1002/ps.2199	7.7	6
118.	Singh S.B. and Paul R.	2011	Gas chromatographic method for residue analysis of metsulfuron methyl from soil	<i>Bull. Environ. Contam. Toxicol.</i> 86: 149-151 DOI: 10.1007/s00128-011-0190-6	7.5	4
119.	Chaudhary P., Sharma R., Singh S.B. and Nain L.	2011	Bioremediation of PAH by <i>Streptomyces</i> sp.	<i>Bull. Environ. Contam. Toxicol.</i> 86: 268-271. DOI: 10.1007/s00128-011-0211-5	7.5	27
120.	Singh N. and Singh S.B.	2011	Sorption-desorption behavior of metsulfuron-methyl and sulfosulfuron in soils	<i>J. Environ. Sci. Health Part B</i> B47: 168-174. DOI: 10.1080/03601234.2012. 632262	7.2	-
121.	Ghosh R., Singh N. and Singh S.B.	2011	Comparison of herbicide sorption in different coal fly ash	<i>Pestic. Res. J.</i> 23(1): 74-78	4.16	1



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122.	Chaudhary P., Pandey A.K., Singh S.B., Prasanna R., Chaudhary S. and Nain L.	2011	Evaluating of a phenotypic and functional diversity of PAH utilizing bacteria isolated from petroleum refinery soil	<i>Ann. Pl. Protec. Sci.</i> 19: 128-133	3.65	-
123.	Aparajita Das, Shwet Kamal, N.A. Shakil, Irena Sherameti, Ralf Oelmüller, Meenakshi Dua, Narendra Tuteja, Atul Kumar Johri and Ajit Varma	2012	The root endophyte fungus Piriformospora indica leads to early flowering, higher biomass and altered secondary metabolites of the medicinal plant	<i>Coleus forskohlii Plant Signaling & Behaviour</i> 7(1): 103-112	-	46
124.	Gupta S., Sharma R.K., Gajbhiye V.T., Gupta R.K.	2012	Residue behavior of combination mixformulations in/on bittergourd and their efficacy against melon fruitfly. Bulletin of Environmental Contamination	<i>Toxicology</i> 89: 1258-1263	7.26	4
125.	Vignesh, M., Hossain, F., Nepolean, T., Saha, S., Agrawal, P.K., Guleria, S.K., Prasanna, B.M. and Gupta, H.S.	2012	Genetic variability for kernel β -carotene and utilization of crtRB1 3'TE gene for biofortification in maize (<i>Zea mays</i> L.)	<i>Indian Journal of Genetics and Plant Breeding</i> 72(2): 189-194	6.19	-
126.	Saha, S., Kundu, S., Kumar, B., Walia, S. and Joshi, D.	2012	Antifungal acetylinic thiophenes from <i>Tagetes minuta</i> : potential biopesticide	<i>Journal of Applied Botany and Food Quality</i> 85(2): 207-211	6.76	-
127.	Ray, D.P., Dutta, D., Srivastava, S., Kumar, B. and Saha, S.	2012	Insect growth regulatory activity of <i>Thevetia nerifolia</i> Juss. against <i>Spodoptera litura</i> (Fab.)	<i>Journal of Applied Botany and Food Quality</i> 85(2): 212-215	6.76	-
128.	Agrawal, P.K., Jaiswal, S.K., Prasanna, B.M., Hossain, F., Saha, S., Guleria, S.K. and Gupta, H.S.	2012	Genetic variability and stability for kernel iron and zinc concentration in maize (<i>Zea mays</i> L.) genotypes	<i>Indian Journal of Genetics and Plant Breeding</i> 72(4): 421-428	6.19	-
129.	Khurana JM, Magoo D, Aggarwal K, Aggarwal N, Kumar R, Srivastava C	2012	Synthesis of novel 12-aryl-8-,9,10,12-tetrahydrobenzo[a]xanthene-11-thiones and evaluation of their biocidal effects	<i>European Journal of Medicinal Chemistry</i> 58: 470-477	9.45	14



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130.	Neera Singh, Raunaq, S.B. Singh	2012	Effect of fly ash on sorption behaviour of metribuzin in agricultural soils	<i>J. Environ. Sci. Health B</i> 47: 89-98	7.20	8
131.	Aggarwal N., Kumar R., Dureja P., Khurana J.M.	2012	Synthesis of novel nalidixic acid-based 1,3,4-thiadiazole and 1,3,4-oxadiazole derivatives as potent antibacterial agents	<i>Chemical Biology and Drug Design</i> 79: 384-397	8.49	25
132.	Neera Singh, S.B. Singh	2012	Sorption-desorption behavior of metsulfuron-methyl and sulfosulfuron in soils	<i>J. Environ. Sci. Health B</i> 47: 168-174	7.20	8
133.	Gopal M., Srivastava C., Gogoi R., Kumar R., Goswami A.	2012	Addressing environmental concern with nano pesticides for sustainable agriculture	<i>The International Journal of Environmental Sustainability</i> 8(1): 115-130	-	3
134.	Rakesh K. Ghosh, Neera Singh	2012	Sorption of metolachlor and atrazine in fly ash amended soils: Comparison of optimized isotherm models	<i>J. Environ. Sci. Health B</i> 47: 718-727	7.20	5
135.	Kumar Rajesh, Devakumar C., Kumar Rajendra, Gupta A.K.	2012	A simple and robust method for determination of Neem (<i>Azadirachta indica</i> A. Juss) oil in Neem oil coated urea	<i>Toxicological & Environmental Chemistry</i> 94(4): 641-649	-	2
136.	S.B. Singh, Neera Singh, Rajvir Sharma	2012	Persistence of pyrazosulfuron in rice field and laboratory soil under Indian tropical conditions	<i>Pest Manag. Sci.</i> 68: 828-833	8.69	8
137.	Nirmali Saikia, Najam Akhtar Shakil and Madhuban Gopal	2012	An enzyme mediated degradation of β -cyfluthrin	<i>Pesticide Research Journal</i> 24(1): 1-4	4.16	-
138.	Thombare N., Aggarwal N., Kumar R., Gopal M.	2012	Synthesis of 2-furyl-4-arylidene-5(4H)-oxazolones as new potent antibacterial agents against phyto-pathogenic and nitrifying bacteria	<i>Journal of Environmental Science and Health, Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> 47(4): 326-335	7.2	1
139.	Rakesh K. Ghosh, Neera Singh	2012	Managing metolachlor and atrazine leaching losses using lignite fly ash. Ecotoxicol	<i>Environ. Safety</i> 84: 243-248	8.76	5



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140.	Dhruba Jyoti Sarkar, Jitendra Kumar, N.A. Shakil and Suresh Walia	2012	Quality enhancement of soybean seed coated with nano-formulated Thiamethoxam and its retention study	<i>Pesticide Research Journal</i> 24(1): 55-64	4.16	-
141.	Gopal M., Kumar R., Goswami A.	2012	Nano-pesticides - A recent approach for pest control	<i>The Journal of Plant Protection Sciences</i> 4(2): 1-7	-	12
142.	Irani Mukherjee	2012	Influence of organic amendments on the degradation of endosulfan	<i>Bull Environ Contam Toxicol (USA)</i> 89(2): 334-339	7.26	2
143.	D.J. Sarkar, Anupama Singh, Neera Singh, B.S. Parmar, Anil Kumar	2012	Effect of superabsorbent hydrogels on sorption and mobility of metribuzin in soil	<i>Pesticide Res. J.</i> 24: 138-143	4.16	
144.	Dhruba Jyoti Sarkar, Jitendra Kumar, N.A. Shakil & S. Walia	2012	Release kinetics of controlled release formulations of thiamethoxam employing nano-ranged amphiphilic PEG and diacid based block polymers in soil	<i>Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances and Environmental Engineering</i> 47(11): 1701-1712	7.20	14
145.	Kumar R., Nair K.K., Verma S., Gogoi R., Singh P.K., Srivastava C., Alpana, Gopal M., Choudhury S.R. and Goswami A.	2012	Developing anosulphur for mitigation of agricultural pests and better crop health	<i>International Journal of Applied Agricultural Research</i> 7(2): 87-90	-	2
146.	Irani Mukherjee and Aman Kumar	2012	Phytoextraction of Endosulfan a Remediation Technique	<i>Bull Environ Contam Toxicol (USA)</i> 88: 250-254	7.26	10
147.	N.A. Shakil, J. Kumar, Jasdeep C. Padaria, M. K. Singh, Liveleen Shukla and Girish K. Jha	2012	Antibacterial activities of essential oils and their constituents against growth of <i>Xanthomonas</i> species	<i>Ann. Pl. Protec. Sci.</i> 20(1): 195-200	3.65	1
148.	Prasad D., Aggarwal N., Kumar R., Nath M.	2012	Synthesis of novel heteroarenes based [1,2,3]-2-triazoles via click chemistry and their evaluation for antibacterial activity	<i>Indian Journal of Chemistry</i> 51 B: 731-738	6.39	11
149.	Irani Mukherjee, Aman Kumar and Ashok Kumar	2012	Persistence Behavior of Combination Mix Crop Protection Agents in/on Eggplant Fruits	<i>Bull Environ Contam Toxicol (USA)</i> 88: 338-343	7.26	7



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150.	Arnab Roy Chowdhury, J. Kumar, N.A. Shakil, S. Walia, Chitra Srivastava and A.N. Jha	2012	Evaluation of repellency and oviposition deterrence of anthocyanin and azadirachtin based coloured polymeric seed coats against storage pest of Soybean	<i>Ann. Pl. Protec. Sci.</i> 20(1): 42-46	3.65	-
151.	Saha A, Gajbhiye V.T., Gupta S., Kumar R.	2012	Development of multi-residue method for determination of pesticides in river, ground and lake water in delhi using gas chromatography	<i>International Journal of Agriculture, Environment and Biotechnology</i> 5(3): 199-205	4.10	2
152.	Shaon Kumar Das, Irani Mukherjee and SuvoKumar Das	2012	Dissipation of Flubendiamide in/on Okra [<i>Abelmoschus esculenta</i> (L.) Moench] Fruits	<i>Bull Environ. Contam Toxicol (USA)</i> 88: 381-384	7.26	17
153.	Parshant Kaushik, N.A. Shakil, J. Kumar and A. C. Watterson	2012	Synthesis and characterisation of novel poly (ethylene glycol) based amphiphilic polymers	<i>Journal of Macromolecular Science, Part A</i> 49: 111-115	6.81	8
154.	Shaon Kumar Das and Irani Mukherjee	2012	Flubendiamide transport through packed soil columns	<i>Bull Environ Contam Toxicol (USA)</i> 88: 229-33	7.26	11
155.	Totan Adak, J. Kumar, N.A. Shakil & S. Walia	2012	Development of controlled release formulations of imidacloprid employing novel nano-ranged amphiphilic polymers	<i>Journal of Environmental Science and Health, Part B</i> 47(3): 217-225	7.20	24
156.	Shaon Kumar Das and Irani Mukherjee	2012	Effect of Moisture and Organic Manure on Persistence of Flubendiamide in Soil	<i>Bull Environ Contam Toxicol (USA)</i> 88: 515-520	7.26	10
157.	Singh S.B., Singh N. and Sharma R.	2012	Persistence of pyrazosulfuron in rice field and laboratory soil under Indian tropical conditions	<i>Pest Management Sci.</i> 68(6): 828-33 DOI: 10.1002/ps.2331	7.7	8
158.	Pankaj, N.A. Shakil, J. Kumar, M.K. Singh and Khajan Singh	2012	Bioefficacy evaluation of controlled release formulations based on amphiphilic nano-polymer of carbosulfuron against <i>Meloidogyne incognita</i> infecting tomato	<i>Journal of Environmental Science and Health, Part B</i> 47(6): 520-528	7.20	8
159.	Irani Mukherjee, S.K. Das, A. Kumar	2012	A Fast Method for Determination of Flubendiamide in Vegetables by Liquid Chromatography	<i>Pesticide Research J.</i> 24(2): 159-162	4.16	-



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160.	Chaudhary P., Singh S.B., Chaudhary S. and Nain L.	2012	Impact of PAH on biological health parameters of soils of an Indian refinery and adjoining area: A case study	<i>Environ. Monitor. Assessm.</i> 184: 1145-1156. DOI 10.1007/s10661-011-2029-3	7.68	7
161.	Dhruba Jyoti Sarkar, J. Kumar, N.A. Shakil, Totan Adak and A.C. Watterson	2012	Synthesis and characterization of amphiphilic PEG based aliphatic and aromatic polymers and their self assembling behavior	<i>Journal of Macromolecular Science, Part A</i> 49(6): 455-465	6.81	3
162.	Karmakar R., Singh S.B. and Kulshrestha G.	2012	Water based microwave assisted extraction of thiamethoxam from vegetables and soil for determination by HPLC	<i>Bull. Environ. Contam. Toxicol</i> 88(2): 119-23. DOI: 10.1007/s00128-011-0444-3	7.5	9
163.	Kumelachew Mulu Loha, N.A. Shakil, J. Kumar, Manish K. Singh and Chitra Srivastava	2012	Bio-efficacy evaluation of nanoformulations of β -Cyfluthrin against <i>Callosobruchus maculatus</i> (Coleoptera: Bruchidae)	<i>Journal of Environ. Science and Health Part B</i> 47(7): 687-691	7.20	20
164.	Sharma D. and Singh S.B.	2012	Persistence of bifenthrin in sandy loam soil as affected by microbial community	<i>Bull. Environ. Contam. Toxicol</i> 88: 906-908 DOI:10.1007/s00128-012-0618-7	7.5	4
165.	Kumar B., Sharma R. and Singh S.B.	2012	Evaluation of harvest residues of cyhalofop butyl in rice field soil	<i>Bull. Environ. Contam. Toxicol Toxicology</i> 89: 344-347 DOI: 10.1007/s00128-012-0701-0	7.5	6
166.	Totan Adak, J. Kumar, Debjani Dey, N. A. Shakil & S. Walia	2012	Residue and bio-efficacy evaluation of controlled release formulations of imidacloprid against pests in soybean (<i>Glycine max</i>)	<i>Journal of Environ. Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes</i> 47(3): 226-231	7.20	7
167.	Pandey A.K., Chaudhary P, Singh S.B., Arora A., Kumar K., Chaudhary S. and Nain L.	2012	Deciphering the traits associated with PAH degradation by a novel <i>Serratiamarcescens</i> strain	<i>J. Environ. Sci. and Health Part A</i> 47: 755-765 DOI: 10.1080/10934529.2012.660108	7.2	12



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168.	Singh N. and Singh S.B.	2012	Sorption-desorption behavior of metsulfuron-methyl and sulfosulfuron in soils	<i>J. Environ. Sci. and Health Part B</i> 47(3): 168-174 DOI: 10.1080 / 03601234. 2012. 632262	7.2	8
169.	Sharma D. Chaudhary P, Nain L., Saxena A. and Singh S.B.	2012	Isolation and characterization of bifenthrin degrading fungal isolates from acclimatized soil	<i>Ann. Pl. Protec. Sci.</i> 20: 172-176	3.65	-
170.	Chandra A., Kumar P., Singh S.B., Asharani, Suby S.B. and Singh S.	2012	Evaluation of maize germplasm and susceptibility, and DIMBOA role against stem borer (Chilopartellus)	<i>Maize Journal</i> 1(2): 126-130	-	-
171.	Aditi Kundu, Supradip Saha, Suresh Walia, Najam A. Shakil, Jitendra Kumar and Kannepalli Annapurna	2013	Cadinene sesquiterpenes from Eupatorium adenophorum and their antifungal activity	<i>Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes</i> 48(6): 516-522	7.20	17
172.	G.K. Mahapatro, T.K. Das, I. Mukherjee, V.T. Gajbhiye	2013	Biorational termite management in wheat agrosystem	<i>Indian Journal of Entomology</i> 75(4): 336-337	4.30	-
173.	Singh, N., Singh S.B., Raunaq and Das T.K.	2013	Effect of fly ash on persistence, mobility and bio-efficacy of metribuzin and metsulfuron- methyl in crop fields	<i>Ecotoxicol. Environ. Saf.</i> 97: 236-241 http://dx.doi.org/10.1016/j.ecoenv.2013.07.031	8.76	-
174.	A. Kumar, Irani Mukherjee, M.K. Singh, A. Kumar	2013	Persistence of cypermethrin and fipronil in/on chilli (<i>Capsicum annuum</i> Linn.)	<i>Pesticide Research Journal</i> 25(2): 174-176	4.16	1
175.	Chandra A., Kumar P. and Singh S.B.	2013	Effect of light on DIMBOA synthesis in maize leaves as revealed by modified cost effective extraction method	<i>Environ. Monitor Assessment</i> DOI: 10.1007/ s10661-013-3301-5	7.68	1
176.	N. Kumar Irani Mukherjee	2013	Effect of Soil Physicochemical Properties on Adsorption of Tricyclazole	<i>International Journal of Agriculture and Food Science Technology</i> 4(5): 391-396	-	4
177.	Singh S.B., Das T.K. and Kulshrestha G.	2013	Persistence of fenoxaprop ethyl and its acid metabolite in soil and wheat crop under Indian tropical conditions	<i>J. Environ. Sci. and Health Part B</i> 48: 324-330 DOI: 10.1080/ 03601234. 2013. 742363	7.2	7



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178.	Rakesh K. Ghosh, Neera Singh	2013	Adsorption-desorption of metolachlor and atrazine in Indian soils: Effect of fly ash amendment	<i>Environ. Monit. Assess.</i> 185: 1833-1845.	7.68	9
179.	Singh N., Raunaq and Singh S.B.	2013	Reduced downward mobility of metribuzin in fly ash amended soils	<i>J. Environ. Sci. and Health Part B</i> 48(7): 587-592 DOI: 10.1080/03601234.2013.774934	7.2	6
180.	Pandey R., Krishnapriya V., Naval Kishora, Singh S.B. and Singh B.	2013	Shoot labelling with $^{14}\text{CO}_2$: a technique for assessing total root carbon exudation under phosphorus stress	<i>Indian J. Pl. Physiol.</i> DOI: 10.1007/s40502-013-0041-z	4.66	5
181.	S.B. Singh, Neera Singh	2013	Degradation behaviour of pyrazosulfuron ethyl in water as affected by pH	<i>J. Environ. Sci. Health B</i> 48: 266-271	7.20	0
182.	Saha A., Ahammed Shabeer T.P., Gajbhiye V.T., Gupta S., Kumar R.	2013	Removal of Mixed Pesticides from Aqueous Solutions using Organoclays: Evaluation of Equilibrium and Kinetic Model	<i>Bulletin of Environmental Contamination and Toxicology</i> 91: 111-116	7.26	8
183.	Kumar Y.B., Singh N., Singh S.B.	2013	Removal of Atrazine, Metribuzin, Metolachlor and Alachlor by Granular Carbon	<i>J. Environ Anal Toxicol</i> 3: 196 DOI: 10.4172/2161-0525.1000196	-	3
184.	Suman Manna, Neera Singh, V.P. Singh	2013	Effect of elevated CO_2 on degradation of azoxystrobin and soil microbial activity in rice soil	<i>Environ. Monit. Assess.</i> 185: 2951-2960	7.68	15
185.	Saini P., Gopal M., Kumar R., Srivastava C., Gogoi R.	2013	Comparative insecticidal activity of a commercial and a nanoformulation of pyridalyl against bollworm, <i>Helicoverpa armigera</i> (Hubner)	<i>Pesticide Research Journal</i> 25(2): 191-194	4.16	1
186.	Neera Singh, Raunaq, S.B. Singh	2013	Reduced downward mobility of metribuzin in fly ash amended soils	<i>J. Environ. Sci. Health B</i> 48: 587-592	7.20	6
187.	Kashiri H.O., Kumar D., Shivay Y.S., Kumar R., Anand A.	2013	Growth productivity and profitability of aromatic hybrid rice (<i>Oryza sativa</i>) as affected by essential oil coated prilled urea under aerobic conditions	<i>Indian Journal of Agronomy</i> 58(3): 316-321	5.0	1



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188.	Anirban Dutta, Neera Singh	2013	Degradation of atrazine in mineral salts medium and soil using enrichment culture	<i>J. Environ. Sci. Health B</i> 48: 860-868	7.20	3
189.	Gogoi R., Singh P.K., Kumar R., Nair K.K., I. Alam, Srivastava C., Yadav S., Gopal M., Choudhury S.R., Goswami A.	2013	Suitability of Nano-sulphur for Biorational Management of Powdery mildew of Okra (<i>Abelmoschus esculentus</i> Moench) caused by <i>Erysiphe cichoracearum</i>	<i>Journal of Plant Pathology and Microbiology</i> 4: 171	-	9
190.	Neera Singh, S.B. Singh, Raunaq, T.K. Das	2013	Effect of fly ash on persistence, mobility and bio-efficacy of metribuzin and metsulfuron-methyl in crop fields	<i>Ecotoxicol. Environ. Safety</i> 85: 236-241	8.76	3
191.	Anirban Dutta, M. Gopal, Neera Singh	2013	Adsorption-desorption behaviour of pyridalyl on clays	<i>Pesticide Res. J.</i> 25: 83-86	4.16	-
192.	Y.B. Kumar, Neera Singh, S.B. Singh	2013	Removal of atrazine, metribuzin, metolachlor and alachlor by granular carbon	<i>J. Environ. Anal. Toxicol.</i> 3: 196 DOI: 10.4172/2161-0525.1000196	-	3
193.	Arora, S., Mukherjee, I., Kumar, A., and Garg, D.K.	2014	Comparative assessment of pesticide residues in grain, soil, and water from IPM and non-IPM trials of basmati rice	<i>Environ Monitoring Assess (USA)</i> 186: 361-366	7.68	6
194.	Aastha Bhardwaj, Najam A. Shakil, Vidyanath Jha, Rajinder Kumar Gupta	2014	Screening of nutritional, phytochemical, antioxidant and antibacterial activity of underutilized seeds of <i>Scirpus articulatus</i> : the basis of Khubahi Ramdana industry	<i>Journal of Pharmacognosy and Phytochemistry</i> 3(4): 11-20	-	3
195.	Das, S.K., and Mukherjee, Irani	2014	Influence of microbial community on degradation of flubendiamide in two Indian soils	<i>J Environ Monitoring Assess (USA)</i> 186: 3213-3219	7.68	6
196.	Chayanika Sahni, Najam A. Shakil, Vidyanath Jha, Rajinder Kumar Gupta	2014	Screening of Nutritional, Phytochemical, Antioxidant and Antibacterial activity of the roots of <i>Borassus flabellifer</i> (Asian Palmyra Palm)	<i>Journal of Pharmacognosy and Phytochemistry</i> 3(4): 58-68	-	4



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197.	Mate, C.J., Mukherjee, I., and Das, S.K.	2014	Mobility of spiromesifen in packed soil columns under laboratory conditions	<i>Environ Monitoring Assess (USA)</i> 186: 7195-7202	7.68	2
198.	Chakdar, H., Saha, S. and Pabbi, S.	2014	Chromatographic and spectroscopic characterization of phycocyanin and its subunits from <i>Anabaena variabilis</i> (CCC421)	<i>Applied Biochemistry and Microbiology</i> 50: 72-79	6.74	
199.	Sharma, K.K., Mukherjee I., Singh, B., Sahoo, S.K., Parihar, N.S., Sharma, B.N., Kale, V.D., Nakat, R.V., Walunj, A.R., Mohapatra, S., Ahuja, A.K., Sharma, D., Singh, G., Noniwal, R., Devi, S.	2014	Residual behavior and risk assessment of flubendiamide on tomato at different agro-climatic conditions in India	<i>Environ Monit Assess (USA)</i> 186: 7673-7682	7.68	1
200.	Pandiyan K., Tiwari R., Singh S., Nain P.K. S., Rana S., Arora A., Singh S.B. and Nain Lata	2014	Optimization of Enzymatic Saccharification of Alkali Pretreated <i>Parthenium</i> sp. Using Response Surface Methodology	<i>Enzyme Research</i> , Article ID 764898, 8 pages http://dx.doi.org/10.1155/2014/764898	1.18	-
201.	Vivek Ahluwalia, Jitendra Kumar, Ritu Sisodia, Najam A. Shakil, Suresh Walia	2014	Green synthesis of silver nanoparticles by <i>Trichoderma harzianum</i> and their bioefficacy evaluation against <i>Staphylococcus aureus</i> and <i>Klebsiella pneumonia</i>	<i>Industrial Crops and Products</i> 55: 202-206	8.84	35
202.	Sanjeev, P., Chaudhary, D.P., Sreevastava, P., Saha, S., Rajenderan, A., Sekhar, J.C., Chikkappa, G.K.	2014	Comparison of fatty acid profile of specialty maize to normal maize	<i>Journal of the American Oil Chemists' Society</i> 91: 1001-1005	7.54	
203.	Sharma, K.K., Mukherjee, I., Singh, B., Mandal, K., Sahoo, S.K., Banerjee, H., Banerjee, T., Roy, S., Shah, P.G., Patel, H.K., Patel, A.R., Beevi, S.N., George, T., Mathew, T.B., Singh, G., Noniwal, R. and Devi, S.	2014	Persistence and risk assessment of spiromesifen on tomato in India: a multilocal study	<i>Environ Monit Assess (USA)</i> 186: 8453-8461	7.68	2



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204.	Khare T.R., Sharma R. and Singh S.B.	2014	Evaluation of the performance of penoxsulam for weed management in direct seeded and transplanted rice (<i>Oryza sativa</i>)	<i>Indian J. AgricSci.</i> 84(1): 154-157	6.14	-
205.	Kundu, A. and Saha, S.	2014	In-vitro antifungal activity of novel picolinamides against soil borne fungi and structure activity relationship	<i>Plant Pathology Journal</i> 13: 152-159		
206.	Arora, S., Mukherjee, I., Kumar, A. and Tanwar, R.K.	2014	Pesticide residue analysis of soil, water, and grain of IPM basmati rice	<i>Environ. Monitoring Assess (USA)</i> 186: 8765-8772	7.68	5
207.	Singh S.B., Maisnam J. and Kulshrestha G.	2014	Remediation of Drinking Water from Pesticides	<i>Pesticide Res. J.</i> 26(2): 221-225	4.16	-
208.	Pathak, N., Rai, A.K., Saha, S., Walia, S., Sen, S.K. and Bhat, K.V.	2014	Quantitative dissection of antioxidative bioactive components in cultivated and wild sesame germplasm reveals potentially exploitable wide genetic variability	<i>Journal of Crop Science and Biotechnology</i> 17: 127-139		
209.	Khare T.R., Sharma R., Singh S.B. and Sobhana V.	2014	Penoxsulam for Weed Management in Direct-Seeded and Transplanted Rice (<i>Oryza sativa</i> L.)	<i>Pesticide Res. J.</i> 26(2): 212-216	4.16	-
210.	Vignesh, M., Hossain, F, Nepolean, T., Mukesh, A., Saha, S., Bhat, J.S., Prasanna, B.M. and Gupta, H.S.	2014	Development of β -carotene rich maize hybrids through marker-assisted introgression of β -carotene hydroxylase allele	<i>PloS One</i> 12, e 113583	9.23	
211.	Aggarwal N., Kumar R., Srivastava C., Dureja P., Khurana J.M.	2014	Synthesis, biological activities and SAR studies of novel 1-Ethyl-7-methyl-4-oxo-1,4-dihydro-[1,8]-naphthyridine-3-carboxylic acid based diacyl and sulfonyl acyl hydrazines	<i>Pest Management Science</i> 70(7): 1071-1082	8.69	6
212.	Saha A., Gajbhiye V.T., Gupta S., Kumar R., Ghosh R.K.	2014	Imultaneous removal of pesticides from water by rice husk ash: batch and column studies	<i>Water Environment Research</i> 86(11): 2176-2185	6.87	1



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213.	Saini P., Gopal M., Kumar R., Srivastava C.	2014	Development of pyridalyl nanocapsule suspension for efficient management of tomato fruit and shoot borer (<i>Helicoverpa armigera</i>)	<i>Journal of Environmental Science and Health, Part B</i> 49(5): 344-351	7.2	8
214.	Madan Kumar, V.P. Singh. Ajay Arora, Neera Singh	2014	Investigating the role of abscisic acid (ABA) in ethylene insensitive <i>Gladiolus</i> (<i>Gladiolus grandiflora</i> Hort.) flower senescence	<i>Acta Physiol. Plantarum</i> 36: 151-159	7.58	6
215.	Nair K.K., Siddiqui W.A., Kumar R., Niwas R., Gogoi R., Srivastava C., Gopal M.	2014	Sensitive and rapid determination of elemental nanosulfur/sulfur by liquid chromatography	<i>Journal of Separation Science</i> 37(9-10): 1126-1133	8.74	4
216.	Neera Singh, Raunaq, S.B. Singh	2014	Effect of fly ash on metsulfuron-methyl sorption and leaching in soils	<i>J. Environ. Sci. Health B</i> 49: 366-373	7.20	2
217.	Mathew B.P., Aggarwal N., Kumar R., Nath M.	2014	Synthesis and anti-bacterial activity of novel dihydrochromeno[8,7-e][1,3]oxazine-2(8H)-thiones	<i>Journal of Sulfur Chemistry</i> 35(1): 31-41	-	
218.	Bheemaraya, Gogoi R., Aggarwal R., Kumar A., Kumar R., Rai S.N., Hossain F., Bisht I.S.	2014	Effect of nano-hexaconazole on the phenotype and pathogenicity of <i>Rhizoctonia solani</i> f. sp. <i>Sasakii</i> causing banded leaf and sheath blight in maize	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4579-4592	-	
219.	Upadhyay A, Kalra S, Saini P, Niwas R, Kumar R, Gopal M	2014	Determination of imidacloprid from tomato by ozone treatment and edible alkali	<i>Annals of Plant Protection Sciences</i> 22(1): 238-239	3.65	1
220.	Gupta S., Sharma R.K., Gajbhiye V.T., Gupta R.K.	2015	Residue behavior of combination formulations of insecticides in/on cabbage and their efficacy against staphids and diamond back moth	<i>Environmental Monitoring and Assessment</i> 187: 4076	7.68	2
221.	*Mukherjee, I., Kumar, A., and Kumar A.	2015	Dissipation of deltamethrin, triazophos and endosulfan (<i>Lycopersicon esculentum</i> L. and eggplant (<i>Solanum melongena</i> L.))	<i>Environ Sci. Pollution Res.</i> 22(18): 14169-14177	8.83	-



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222.	Chauhan, R., Solanki, P.R., Singh, J., Mukherjee, I., Basu, T., and Malhotra, B.D.	2015	A novel electrochemical piezoelectric label free immunosensor for aflatoxin B1 detection in ground nut	<i>Food Control</i> 52: 60-70	8.81	20
223.	Mate, C.J., Mukherjee, I., and Das, S.K.	2015	Persistence of spiromesifen in soil: influence of moisture, light, pH and organic amendment	<i>Environ. Monitoring Assess (USA)</i> 187: 7-19	7.68	3
224.	Nath C.P., Das T.K., Rana K.S., Pathak H., Bhattacharyya R., Paul S., Singh S. Band Meena M.C.	2015	Weed and optical sensor-based nitrogen management effects on weed infestation, productivity and resource-use efficiency in a wheat-mungbean sequence under varying tillage and residue management scenarios	<i>Field Crop Res.</i>	-	-
225.	S.R. Sinha, R.K. Sharma, N.A. Shakil	2015	Management of okra insect pests through insecticides and their mixtures	<i>Indian Journal of Entomology</i> 77(2): 122-25	4.30	-
226.	Kumar, N., and Mukherjee, I., and Varghese, E.	2015	Adsorption-desorption of tricyclazole: effect of soil types and organic matter	<i>Environ. Monitoring Assess (USA)</i> 187: 61-71	7.68	4
227.	Chaudhary P. Sahay H., Sharma R., Pandey A.K., Singh S.B., Saxena A.K., Lata Nain	2015	Identification and analysis of polyaromatic hydrocarbons (PAHs)—biodegrading bacterial strains from refinery soil of India	<i>Environ. Monitor. Assessment</i> 187(6): 4617 DOI: 10.1007/s10661-015-4617-0	7.68	2
228.	K.K. Krishnani, V. Kathiravan, N.A. Shakil, Manish Kumar Singh, M.P. Brahmane, K.K. Meena, Biplab Sarkar, K. Choudhary, Mukesh Kumar Singh, Jitendra Kumar	2015	Bactericidal activity of nanopolymers against shrimp pathogenic bacterium <i>Vibrio harveyi</i>	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 85(4): 1079-1086	6.00	2
229.	Sharma, K.K., Mukherjee, I., Singh, B., Sahoo, S.K., Mandal, K., Mohapatra, S., Ahuja, A.K., Sharma, D., Parihar, N.S., Sharma, B.N., Kale, V.D., and Walunj, A.R.	2015	Dissipation pattern and risk assessment of flubendiamide on chili at different agro-climatic conditions in India	<i>Environ. Monitoring Assess (USA)</i> 187: 245-255	7.68	1



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230.	Dutta A., Manna S., Singh S.B., Berns A.E. and Singh N.	2015	Effect of organic carbon chemistry on sorption of atrazine and metsulfuron-methyl as determined by ¹³ C-NMR and IR spectroscopy	<i>Environ. Monitor. Assessment</i> 187(10): 620 DOI: 10.1007/s10661-015-4837-3	7.68	-
231.	Das, 13S.K., *Mukherjee, I., and Kumar, A.	2015	Effect of soil type and organic manure on adsorption-desorption of flubendiamide	<i>Environ Monitoring Assess (USA)</i> 187: 403-414	7.68	2
232.	Singh N. and Singh S.B.	2015	Adsorption and leaching behaviour of bisprbac-sodium in soils	<i>Bull Environ Contam Toxicol</i> 94: 125-128	7.5	-
233.	Anu Kumari, Jitendra Kumar, Najam A. Shakil, Braj B. Singh and Arthur C. Watterson	2015	Synthesis and Characterization of Amphiphilic PEG Based Polymers and Their Self Assembling Behaviour	<i>Journal of Macromolecular Science, Part A</i> 52(6): 417-424	6.81	1
234.	Mukherjee, I., Das, T.K., Kumar, A., Sarkar, B., and Sharma, K.K.	2015	Behavior and bioefficacy of tribenuron-methyl in wheat (<i>Triticum aestivum</i> L.) under irrigated agro-ecosystem in India	<i>Environ Monitoring Assess (USA)</i> 187: 610-618	7.68	-
235.	Singh A., Singh A., Kumar K., Pandey A.K., Sharma A., Singh S.B., Kanika Kumar, Arora A. and Nain L.	2015	Pyrene degradation by bio-surfactant producing bacterium <i>Stenotrophomonas maltophilia</i>	<i>Agric. Res.</i> 4(1): 42-47 DOI: 10.1007/s40003-014-0144-4	5.88	2
236.	Pushpendra Koli, Braj B. Singh, Najam A. Shakil, Jitendra Kumar and Deeba Kamil	2015	Development of controlled release nanoformulations of carbendazim employing amphiphilic polymers and their bio efficacy evaluation against <i>Rhizoctonia solani</i>	<i>Journal of Environ. Sci. and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes</i> 50(9): 674-681	7.20	5
237.	Rajesh Kumar, Ram Niwas, Madhuban Gopal, Irani Mukherjee, C. Devakumar	2015	Groundwater Ubiquity Score (GUS) based assessment of leaching potential of some pesticides	<i>Ann Plant Protection Science</i> 5: 29-33	3.65	-
238.	Nath C.P., Das T.K., Rana K.S., Pathak H., Bhattacharyya R., Paul S., Singh SBand Meena M.C.	2015	Weed-management and wheat productivity in a conservation agriculture-based maize (<i>Zea mays</i>)-wheat (<i>Triticum aestivum</i>)-mungbean (<i>Vigna radiata</i>) system in north-western Indo-Gangetic plains of India	<i>Indian J. Agronomy</i> 60(4): 554-563	5.00	-



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239.	Braj Bhushan Singh, Najam A. Shakil, Jitendra Kumar, Suresh Walia and Abhijit Kar	2015	Development of slow release formulations of β -carotene employing amphiphilic polymers and their release kinetics study in water and different pH conditions	<i>Journal of Food Science & Technology</i> 52(12): 8068-8076. 8.20, 1	8.20	1
240.	Dureja P., Singh S.B. and Parmar B.S.	2015	Pesticide Maximum Residue Limit (MRL): Background, Indian Scenario	<i>Pesticide Res. J.</i> 27(1): 4-22	4.16	2
241.	Hajebi A., Das T.K., Singh S.B., Saha S., Sefidkon F., Lebaschi M.H. and Hajebi F.	2015	Effect of Tillage and Weed Management Practices on Growth and Oleoresin Yield in Chilli (<i>Capsicum annuum</i> L.)	<i>Pesticide Res. J.</i> 27(1): 122-127	4.16	-
242.	Hajebi A., Das T.K., Singh S.B., Saha S., Sefidkon F., Lebaschi M.H. and Hajebi F.	2015	Effect of Planting Method and Weed Management Practice on Growth and Oleoresin Yield in Garlic (<i>Allium sativum</i>)	<i>Pesticide Res. J.</i> 27(2): 231-236	4.16	-
243.	Pushpendra Koli, N.A. Shakil, Jitendra Kumar, Braj B. Singh & A.C. Watterson	2015	Synthesis and Characterization of Novel Encapsulating Materials based on Functionalized Amphiphilic Block Copolymers	<i>Journal of Macromolecular Science, Part A</i> 51(9): 729-736	6.81	3
244.	Saha, S., Walia S., Sharma, K. and Kundu, A.	2015	Optimal extraction and fingerprinting of carotenoids by accelerated solvent extraction and liquid chromatography with tandem mass spectrometry	<i>Food Chemistry</i> 177: 369-375	9.39	
245.	Saha, S., Walia, S., Kundu, A., Kaur, C., Singh, J. and Sisodia, R.	2015	Capsaicinoids, tocopherol and sterols content in chili (<i>Capsicum</i> sp.) by gas chromatographic-mass spectrometric determination	<i>International Journal of Food Properties</i> 18: 1535-1545	6.92	
246.	Sujayanand, G.K., Sharma, R.K., Shankarganesh, K., Saha, S., and Tomar, R.S.	2015	Crop diversification for sustainable insect pest management in eggplant	<i>Florida Entomologist</i> 98(1): 305-314	7.00	
247.	Rakesh, S., Dhar, D.W., Prasanna, R., Saxena, A.K., Saha, S., Shukla, M. and Sharma, K.	2015	Cell disruption methods for improving lipid extraction efficiency in unicellular microalgae	<i>Engineering in life Sciences</i> 15: 443-447	8.49	



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
248.	Chaudhury, M., Hossain F., Nepolean T., Muthuswamy, V., Saha S., Pandey, N., Jha, S.K. and Gupta H.S.	2015	Microsatellite marker-based genetic diversity analyses of novel maize inbreds possessing rare allele of β -carotene hydroxylase (cr-tRB1) for their utilization in β -carotene enrichment	<i>Journal of Plant Biochemistry and Biotechnology</i> DOI: 10.1007/s13562-015-0300-3	7.09	-
249.	Muthusamy, V., Hossain, F., Thirunavukkarasu, N., Saha, S. and Gupta, H.S.	2015	Allelic variations for lycopene- ϵ -cyclase and β -carotene hydroxylase genes in maize inbreds and their utilization in β -carotene enrichment programme	<i>Cogent Food & Agriculture</i> 1(1): 1033141	-	-
250.	Muthusamy, V., Hossain, F., Thirunavukkarasu, N., Pandey, N., Vishwakarma, A. K., Saha, S. and Gupta, H.S.	2015	Molecular characterization of exotic and indigenous maize inbreds for biofortification with kernel carotenoids	<i>Food Biotechnology</i> 29(3): 276-29	6.51	-
251.	Pradhan, P.C. and Saha, S.	2015	Anthocyanin profiling of Kasmal (<i>Berberis lyceum</i> Royle), wild berry of Himalaya and its bioactivity evaluation for its nutraceutical potential	<i>Journal of Food Science and Technology</i> 53: 1205-1213	8.20	-
252.	Bagul, S., Ratha, S.K., Prasanna, R., Saha, S., and Dhar, D.W.	2015	Enhancement in total lipids in microalgae through cultural manipulations and fatty acid profiling	<i>Indian Journal of Biotechnology</i> 14: 429-432	6.39	-
253.	Hajebi, A., Das, T., Singh, S.B., Saha, S., Sefidkon, F., Lebaschi, M.H., and Hajebi, F.	2015	Effect of tillage and weed management practices on growth and oleoresin yield in chilli (<i>Capsicum annuum</i> L)	<i>Pesticide Research Journal</i> 27(1): 122-127	4.16	-
254.	Muthusamy, V., Hossain, F., Thirunavukkarasu, N., Saha, S., Agrawal, P.K., Guleria, S.K., and Gupta, H.S.	2015	Genetic variability and inter-relationship of kernel carotenoids among indigenous and exotic maize (<i>Zea mays</i> L.) inbreds	<i>Cereal Research Communications</i> 1-12	6.61	-
255.	Pandey, N., Hossain, F., Kumar, K., Viswakarma, A.K., Muthusamy, V., Saha, S., Agrawal, P.K., Guleria, S.K., Reddy, S.S., Thirunavukkarasu, N. and Gupta, H.S.	2015	Molecular characterization of endosperm and amino acid modifications among protein maize hybrids	<i>Plant Breeding</i> DOI: 10.1111/pbr.12328	7.60	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
256.	Neera Singh, S.B. Singh	2015	Adsorption and leaching behaviour of bispyribac-sodium in soils	<i>Bull. Environ. Contam. Toxicol.</i> 94: 125-128	7.26	1
257.	Anirban Dutta, Neera Singh	2015	Surfactant modified bentonite clays: Preparation, characterization and atrazine removal	<i>Environ. Sci. Pollut. Res.</i> 22: 3876-3885	7.26	3
258.	Suman Manna, Neera Singh	2015	Effect of wheat and rice straw biochars on pyrazo-sulfuron-ethyl sorption and persistence in a sandy loam soil	<i>J. Environ. Sci. Health B</i> 50: 463-472	7.20	4
259.	Kumar S., Chauhan N., Gopal M., Kumar R., Dilbaghi N.	2015	Development and evaluation of alginate-chitosan nanocapsules for controlled release of acetamiprid	<i>International Journal of Biological Macromolecules</i> 81: 631-637	8.86	6
260.	Anup Kumar, Neera Singh	2015	Atrazine degradation in mineral salts medium and soil using hydrogel immobilized enrichment culture	<i>Ann. Plant Prot. Science</i> 23: 381-385	3.65	-
261.	Saini P., Gopal M., Kumar R., Gogoi R., Srivastava C.	2015	Bioefficacy evaluation and dissipation pattern of nanoformulation versus commercial formulation of pyridalyl in tomato (<i>Solanum Copersicum</i>)	<i>Environmental Monitoring and Assessment</i> 187: 541	7.68	-
262.	Anirban Dutta, Abhishek Mandal, S. Manna, S.B. Singh, A.E. Berns, Neera Singh.	2015	Effect of organic carbon chemistry on sorption of atrazine and metsulfuron-methyl as determined by ¹³ C-NMR and IR spectroscopy	<i>Environ. Monit. Assess.</i> 187: 620 DOI: 10.1007/s10661-015-4837-3	7.68	-
263.	Parshant Kaushik, Najam A. Shakil, Jitendra Kumar and Braj B. Singh	2015	Lipase catalyzed solvent-free amidation of phenolic acids	<i>Synthetic Communications</i> 45: 569-577	6.93	1
264.	Sharma A., Singh S.B., Sharma R., Chaudhary P., Pandey A.K., Raunaq, Arora A., Singh S., Saha S. and Lata	2016	Enhanced biodegradation of PAHs by microbial consortium with different amendment and their fate in in-situ condition	<i>J Environ Manage</i> 728-736 DOI: 10.1016/j.jenvman.2016.08.024	8.72	1



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
265.	Kumar K.G.A., Tayade A.B., Kumar R., Gupta S., Sharma A.K., Nagar G., Tewari S.S., Kumar B., Rawat A.K.S., Srivastava S., Kumar S., Ghosh S.	2016	Chemo-profiling and bioassay of phytoextracts from <i>Ageratum conyzoides</i> for acaricidal properties against <i>Rhipicephalus</i> (Boophilus) microplus (Acari: Ixodidae) infesting cattle and buffaloes in India. Ticks and Tick-borne	<i>Diseases</i> 7(2): 342-9	8.72 (6+ 2.72)	-
266.	Swami S., Muzammil R., Saha S., Shabeer A., Oulkar D., Banerjee K. and Singh S.B.	2016	Evaluation of ozonation technique for pesticide residue removal and its effect on ascorbic acid, cyanidin-3-glucoside and polyphenols in apple (<i>Malus domestica</i>) fruits	<i>Environ. Monitor. Assessment</i> 188(5): May 2016 Impact Factor: 1.68 DOI: 10.1007/s10661-016-5294-3	7.68	-
267.	Totan Adak and *Irani Mukherjee	2016	Dissipation kinetics of spinosad from tomato under sub-tropical agro-climatic conditions	<i>Environ Monit Assess (USA)</i> 188: 299-307	7.68	-
268.	Ghosh Rakesh Kumar, Singh Neera and Singh Shashi Bala	2016	Effect of fly ash amendment on metolachlor and atrazine degradation and microbial activity in two soils	<i>Environ. Monitor. Assessment</i> 188(8) August 2016 DOI: 10.1007/s10661-016-5486-x	7.68	-
269.	Totan Adak, Irani Mukherjee	2016	Investigating Role of Abiotic Factors on Spinosad Dissipation	<i>Bull Environ Contam Toxicol (USA)</i> 96: 125-129	7.26	1
270.	Pandey Vanita, Krishnan Veda, Basak Nabaneeta, Hada Alkesh, Punjabi Mansi, Jolly Monica, Lal S.K., Singh Shashi Bala, Sachdev Archana	2016	Phytic acid dynamics during seed development and its composition in yellow and black Indian soybean (<i>Glycine max</i> L.) genotypes through a modified extraction and HPLC method	<i>J Plant Biochem Biotechnol</i> 04/2016; DOI:10.1007/s13562-015-0348-0	7.09	-
271.	Virendra S. Rana, Vivek Ahluwalia, Najam A. Shakil & Lakshman Prasad	2016	Essential oil composition, antifungal and seedling growth inhibitory effects of zerumbone from <i>Zingiber zerumbet</i> Smith	<i>Journal of Essential Oil Research</i> DOI: 10.1080 / 10412905. 2016.1261051	6.79	-
272.	R.K. Tanwar, S.P. Singh, O.P. Sharma, V. Kanwar, Irani Mukherjee, C. Chattopadhyay	2016	Large-scale IPM validation in Basmati rice (<i>Oryza sativa</i>) in Western Uttar Pradesh, India	<i>Indian J. ArgSci</i> 86(8)	6.14	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
273.	Hajebi A., Das T.K., Arora A., Singh S.B., Hajebi F.	2016	Herbicides tank-mixes effects on weeds and productivity and profitability of chilli (<i>Capsicum annuum</i> L.) under conventional and zero tillage	<i>Scientia Horticulturae</i> 198: 191-196 DOI: 10.1016/j.scienta.2015.11.020.	1.37	1
274.	N. Kumar, R. Kumar, N. A. Shakil and T.K. Das	2016	Nanoformulations of preti-lachlor herbicide: preparation, characterization and activity	<i>Journal of Scientific & Industrial Research</i> 75: 676-680	6.50	-
275.	Swami S., Mishra S.R., Saha S., Shabeer A., Oulkar D., Banerjee K., Kaur C., Singh N. and Singh S.B.	2016	Ozonation for pesticide residue removal and its effect on ascorbic acid, lycopene, β -carotene and polyphenols in Tomato (<i>Lycopersicon Esculentum</i>)	<i>Fruits Pesticide Res. J.</i> 28(1): 42-51	4.16	-
276.	Braj B. Singh, Najam A. Shakil, Jitendra Kumar, Virendra S. Rana and Anuradha Mishra	2016	Microwave synthesis, characterization, and bio-efficacy of novel halogenated Schiff bases	<i>Journal of Environ. Science and Health, Part B</i> DOI: 10.1080/03601234.2016.1170558	7.20	-
277.	Singh S.B., Sharma R. and Pankaj	2016	Evaluation of herbicide residues in onion (<i>Allium cepa</i> L.) viz-a-viz weed management following sequential application of herbicides	<i>Pestic. Res. J.</i>	4.16	-
278.	Sujan Majumder, Najam A. Shakil, Braj B. Singh and Arthur C. Watterson	2016	Synthesis and characterization of functionalized amphiphilic polymers for utilization as surfactants	<i>Journal of Macromolecular Sci., Part A: Pure and Applied Chemistry</i> 53(2): 75-81	6.81	1
279.	John B. Unsworth, Camilla Corsi, Jeanette M. Van Emon, Annemieke Farenhorst, Denis J. Hamilton, Cody J. Howard, Robert Hunter, Jeffrey J. Jenkins, Gijs A. Kleter, Rai S. Kookana, Joseph O. Lalah, Michael Leggett, Karina S.B. Miglioranza, Hisashi Miyagawa, Natalia Peranginangin, Baruch Rubin, Bipul Saha, Najam A. Shakil	2016	Developing Global Leaders for Research, Regulation, and Stewardship of Crop Protection Chemistry in the 21st Century	<i>Journal of Agricultural and Food Chemistry</i> 64(1): 52-60	8.91	2



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
280.	Saha, S., Walia, S., Kundu, A., Sharma, K., Singh, J., Tripathi, B., Raina, A.	2016	Compositional and functional difference in cumin (<i>Cuminum cyminum</i>) essential oil extracted by hydrodistillation and SCFE. Cogent	<i>Food and Agriculture</i> DOI: 10.1080/ 23311932.2016. 1143166	-	-
281.	Kundu, A., Saha, S., Walia, S., Dutta, T.	2016	Antinemic potentiality of chemical constituents of <i>Eupatorium adenophorum</i> Spreng leaves against <i>Meloidogyne incognita</i>	<i>National Academy of Science Letters</i> DOI: 10.1007/ s40009-016-0439-z	6.29	-
282.	Kumari, S., Memba, L. J., Dahuja, A., Vinutha, T., Saha, S., Sachdev, A.	2016	Elucidation of the role of oleosin in off-flavour generation in soymeal through supercritical CO ₂ and biotic elicitor treatments	<i>Food Chemistry</i> 205: 264-271	9.39	-
283.	Kaur, C., Rudra, S.G., Saha, S., Varghese, E., Nagal, S.	2016	Increasing anthocyanin content in black carrot juice by an enzyme assisted process: Optimization using response surface methodology	<i>Nutrafoods</i> 15: 59-67	-	-
284.	Swami, S., Muzammil, R., Saha, S., Shabeer, A., Oulkar, D., Banerjee, K., Singh, S.B.	2016	Evaluation of ozonation technique for pesticide residue removal and its effect on ascorbic acid, cyanidin-3-glucoside, and polyphenols in apple (<i>Malus domestica</i>) fruits	<i>Environmental Monitoring and Assessment</i> 188(5): 1-11	7.68	-
285.	Singh J., Sharma, K., Walia, S., Saha, S.	2016	Anthocyanin profiling method based on isocratic elution for comparable speed, reproducibility and quantitation with gradient elution	<i>Food Analytical Methods</i> DOI: 10.1007/ s12161-016-0561-z	7.96	-
286.	Kundu, A., Saha, S., Walia, S., & Dutta, T.K.	2016	Anti-nemic secondary metabolites produced by <i>Fusarium oxysporum</i> f. sp. ciceris	<i>Journal of Asia-Pacific Entomology</i> 19(3): 631-636	6.82	-
287.	Anirban Dutta, V. Vasudevan, Lata Nain, Neera Singh	2016	Characterization of bacterial diversity in an atrazine degrading enrichment culture and degradation of atrazine, cyanuric acid and biuret in industrial wastewater	<i>J. Environ. Sci. Health B</i> 51: 24-34	7.20	1



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
288.	Abhishek Mandal, Neera Singh	2016	Kinetic and isotherm error optimization studies for adsorption of atrazine and imidacloprid on bark of <i>Eucalyptus tereticornis</i> L.	<i>J. Environ. Sci. Health B</i> 51: 192-203. NAAS rating- 7.20; Citation-1	7.20	1
289.	Anup Kumar, Neera Singh	2016	Atrazine and its metabolites degradation in mineral salts medium and soil using an enrichment culture	<i>Environ. Monit. Assess.</i> 188: 142 DOI 10.1007/s10661-016-5144-3	7.68	2
290.	Saurabh Swami, S.R. Mishra, S. Saha, C. Kaur, T.P. Ahammed Shabeer, D. Oulkar, K. Banerjee, Neera Singh, S.B. Singh.	2016	Ozonation for pesticide residue removal and its effect on ascorbic acid, lycopene β -carotene and phenolic content in tomato (<i>Solanum lycopersicon</i> L.) fruits	<i>Pestic. Res. J.</i> 28: 42-51	4.16	-
291.	Rakesh K. Ghosh, Neera Singh, S.B. Singh	2016	Effect of fly ash amendment on metolachlor and atrazine degradation and microbial activity in two soils	<i>Environ. Monit. Assess.</i> 188: 482 DOI 10.1007/s10661-016-5486-x	7.68	-
292.	Irani Mukherjee, Shaon Kumar Das and Aman Kumar	2016	Degradation of flubendiamide as affected by elevated CO ₂ , temperature, and carbon mineralization rate in soil	<i>Environ. Sci. Pollution Res.</i> 23(19): 19931-19939	8.83	-
293.	Sharma, A., Singh, S.B., Sharma, R., Chaudhary, P., Pandey, A.K., Ansari, R., Vasudevan, V., Arora, A., Singh, S., Saha, S. and Nain, L.	2016	Enhanced biodegradation of PAHs by microbial consortium with different amendment and their fate in in-situ condition	<i>Journal of Environmental Management</i> 181: 728-736	8.72	-

Faculty Profile

(i) Professors

Sl. No.	Name	Period
1	Dr. D.B. Saxena	2006-2008
2	Dr. A.K. Dikshit	2008-2009, 2010-2011
3	Dr. V.T. Gajbhiye	2009-2010
4	Dr. Suresh Walia	2011-2013
5	Dr. Jitendra Kumar	2013-2014
6	Dr. Irani Mukherjee	2014-till date



(ii) Heads

Sl. No.	Name	Period
1.	Dr. Prem Dureja	2006-2009
2.	Dr. V.T. Gajbhiye	2010-2016
3.	Dr. Anupama	2016- Present

(iii) Faculty Members

Sl. No.	Scientist Name	Qualification	Specialization	h-Index	i10-Index
1.	Dr. Anupama	Ph.D.	Organic Chemistry	5	3
2.	Dr. Irani Mukherjee	Ph.D.	Organic Chemistry	16	33
3.	Dr. Shashi B. Singh	M.Sc., M.Phil. Ph.D.	Organic Chemistry	17	32
4.	Dr. Neera Singh	Ph.D.	Organic Chemistry	17	28
5.	Dr. Suman Gupta	Ph.D.	Organic Chemistry	12	15
6.	Dr. N.A. Shakil	Ph.D.	Organic Chemistry	16	22
7.	Dr. Rajesh Kumar	Ph.D.	Organic Chemistry	17	23
8.	Dr. Supradip Saha	Ph.D.	Nutraceuticals	19	26
9.	Dr. V.S. Rana	D.Phill	Natural Product Chemistry	10	10
10.	Dr. Tirthankar Banerjee	Ph.D.	Agricultural Chemicals	4	2
11.	Mukta Chakraborty	M.Sc.	Organic Chemistry	5	4
12.	Dr. Aditi Kundu	Ph.D.	Agricultural Chemicals	6	4
13.	Dr. Dhruva Jyoti Sarkar	Ph.D.	Agricultural Chemistry	3	2
14.	Dr. Anirban Dutta	Ph.D.	Agricultural Chemistry	2	0
15.	Dr. Indu Chopra	Ph.D.	Agricultural Chemistry	4	2
16.	Dr. Neethu Narayanan	Ph.D.	Agricultural Chemistry	1	0
17.	Dr. Abhishek Mandal	Ph.D.	Agricultural Chemistry	-	-
18.	Dr. Ashish Khandelwal	Ph.D.	Agricultural Chemistry	-	-
19.	Dr. Suman Manna	Ph.D.	Agricultural Chemistry	2	1
20.	Dr. Parshant Kaushik	Ph.D.	Agricultural Chemistry	2	1



Entomology

Subhash Chander

Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1.	2007	Reji G.	Modelling yield loss due to rice stem borer and agro ecological zonation	Dr. Subhash Chander	-
2.	2007	Kavitha G.	Biosystemic studies on the genus <i>Apanteles</i> Forster (Hymenoptera: Braconidae: Microgasterinae)	Dr. Debjani Dey	-
3.	2007	Celily A.	Effect of carbon dioxide on khapra beetle, <i>Trogoderma granarium Everts</i> infesting wheat	Dr. Chitra Srivastava	-
4.	2007	Coumar A.	Biosystemic studies on the Indian Formicinae (Hymenoptera: Formicidae)	Dr. Debjani Dey	-
5.	2007	Shankarganesh K.	Evaluation of insecticide synergists to manage pyrethroids resistant <i>Spodoptera litura</i> (Fab.)	Dr. Swaran Dhingra	-
6.	2008	Naresh Meshram	Biosystemic studies on the Indian Myrmicinae (Hymenoptera : Formicidae)	Dr. Debjani Dey	-
7.	2008	Jaydeep Halder	Studies on the potential of plant extracts and their mixtures for the management of <i>Helicoverpa armigera</i> (Hubner)	Dr. Swaran Dhingra	-
8.	2009	Bheemanna Somanna Gotyal	Efficacy of <i>Lantana camara</i> essential oil and leaf extract against almond Moth <i>Cadra cautellea</i>	Dr. Chitra Srivastava	-
9.	2008	Deependra Singh Yadav	Simulation of planthopper damage in rice and agro-ecological zoning	Dr. Subhash Chander	-
10.	2008	S. Ramesh Babu	Studies on the inhibitors of insect gut proteases from certain Indian pulse and cereal germplasm	Dr. B. Subramanyam	-
11.	2009	G. Mahendiran	Taxonomic studies on some short snout entomine weevils of India and adjacent countries	Dr. V.V. Ramamurthy	-
12.	2009	P. Mahesh	Behavioural response of different Trichogrammatids in relation to semiochemicals	Dr. R.D. Gautam	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
13.	2008	M. Muthukumar	Management of major insect pests of cauliflower, Brassica oleracea using intercropping and new insecticides	Dr. R.K. Sharma	-
14.	2009	Fand Baba Saheb Bhaskar	Ecological studies on <i>Phenacoccus solenopsis</i> in relation to selected coccinellids and encyrtid parasitoids	Dr. R.D. Gautam	ICAR Jawahar Lal Nehru Award & Gurprasad Pradhan Medal
15.	2009	A. Mohan Sundraram	Eco friendly management of major insect pest of okra using intercropping and newer pesticides	Dr. R.K. Sharma	-
16.	2010	V. Baskaran	Effect of minerals on the reproductive potential of <i>Bactrocera dorsalis</i> (Hendel) in the artificial diet	Dr. Kirti Sharma	-
17.	2010	M. Sujithra	Simulation of population dynamics of brown planthopper, <i>Nilaparvata lugens</i> and assessing impact of climate change on crop-pest interactions in rice	Dr. Subhash Chander	-
18.	2010	Sanyasi Dhuruva	Susceptibility of pink bollworm, <i>Pectiniphora gossypiella</i> to <i>Bacillus thuringiensis</i> cry toxins	Dr. G.T. Gujar	-
19.	2010	Jaipal Singh Choudhary	Antifeedant and growth regulatory effect of gudmar, <i>Gymnema sylvestri</i> against <i>Spodoptera litura</i>	Dr. Chitra Srivastava	-
20.	2011	B. Ramesh	Taxonomy studies on some Bridine weevils from India and the adjacent Oriental region	Dr. V.V. Ramamurthy	-
21.	2011	Sachin Suresh Suroshe	Ecotoxicological studies on the solenopsis mealy bug, <i>Phenacoccus solenopsis</i> and its predator	Dr. R.D. Gautam	-
22.	2011	Masuthadurai R.	Semiochemical studies on <i>Trichogramma brasiliensis</i> and <i>T. chilonis</i> (Trichogrammatidae: Hymenoptera) in relation to Bt cotton and its host insects	Dr. R.D. Gautam	-
23.	2011	K. Selvaraj	Modelling damage due to multiple insect pests in rice and assessing impact of climate change on crop pest interactions	Dr. Subhash Chander	-
24.	2011	Vallepu Venkateswarlu	Evaluation of eco-friendly insect pest management components in cabbage	Dr. R.K. Sharma	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
25.	2011	Kuldeep Arya	Quantification of rice leaf folder (<i>Cnaphalocrosis medinalis</i>) damage through simulation and remote sensing techniques	Dr. Subhash Chander	-
26.	2012	Arati Ningombam	Bioefficacy of <i>Millettia pachycarpa</i> Bentham against tobacco caterpillar, <i>Spodoptera litura</i> (Fabricius)	Dr. Chitra Srivastava	-
27.	2012	Gundappa	Role of phenolic acids (ferulic acid and p-coumaric acid) in imparting resistance against <i>Chiloparellus</i> (Swinhoe) in maize	Dr. P. Kumar	-
28.	2012	Prasanna Kumar N.R.	Development of forewarning methodology and assessment of impact of climate change of rice brown planthopper (<i>Nilaparvata lugens</i> Stal.)	Dr. Subhash Chander	Gurprasad Pradhan Medal
29.	2012	Anup Chandra	Study on secondary metabolite (DIMBOA) and some other primary metabolites in maize germplasm and their relation with <i>Chilo partellus</i> susceptibility	Dr. P. Kumar	-
30.	2012	Sujay Anand G.K.	Studies on ecotoxicology and management of major insect pests of brinjal (<i>Solanum melongena</i>) and okra (<i>Abelmoschus esculentus</i> (L) Moench)	Dr. R.K. Sharma	-
31.	2013	Nithya chandran	Taxonomic studies on the subfamily multillinae (Hymenoptera: Mutillidae)	Dr. Debjani Dey	-
32.	2013	SureshN Nebapue	Extraction and bioefficacy of <i>Gloriosa superba</i> Linn. against <i>Spodopteralitura</i> (Fabricius) and <i>Tribolium castaneum</i> (Herbst)	Dr. Chitra Srivastava	-
33.	2013	Karuppaiah V.	Susceptibility levels of tobacco caterpillar <i>Spodoptera litura</i> (Fabricius) populations to insecticides	Dr. Chitra Srivastava	-
34.	2013	Sridhar Jandrajupalli	Role of antimicrobials and antioxidants in diet on growth and development of <i>Spodopteralitura</i> (Fabricius) (Lepidoptera: Noctuidae)	Dr. Kirti Sharma	-
35.	2014	Krishna Reddy P.	Isolation and characterization of bacteria associated with the peach fruitfly, <i>Bactrocera zonata</i> (Saunders) and its role in management	Dr. Kirti Sharma	-
36.	2015	Nisha Lekshimi V.	Evaluation of different integrated pest management components against fruitfly (<i>Bactrocera cucurbitae</i> coq.) and white fly (<i>Bemisia tabaci</i> Gen.) in bitter gourd	Dr. R.K. Sharma	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
37.	2015	Prafful Ashokrao Malthankar	Resistance monitoring of pink bollworm <i>Pectinophora gossypiella</i> (Saunders) (Lepidoptera: Gelechiidae) to Cry toxins	Dr. G.T. Gujar	-
38.	2015	Soumia P.S.	Factors for resistance in mung bean, <i>Vigna radiata</i> against <i>Callosobruchus</i> spp.	Dr. Chitra Srivastava	-
39.	2015	Guru Pirasanna Pandi G.	Assessing impact of elevated CO ₂ on brown planthopper, <i>Nilaparvata lugens</i> (Stal.) and wolf spider, <i>Pardosa pseudoannulata</i> (Boesenberg & Strand) in rice	Dr. Subhash Chander	IARI Merit Medal & Gurprasad Pradhan Medal
40.	2015	Kennedy Ningthoujam	Studies on molecular markers associated with Bt resistance in <i>Helicoverpa armigera</i> (Hübner)	Dr. Kirti Sharma	-
41.	2015	Mahendran B.	Investigation on IPM Interventions in the Management of Major Insect Pests of Cauliflower (<i>Brassica oleraceae</i> var. <i>botrytis</i>)	Dr. R.K. Sharma	-
42.	2015	Ramya R.S.	Studies on phosphine resistance in <i>Tribolium castaneum</i> (Herbst)	Dr. Chitra Srivastava	-
43.	2015	Lokesh Kumar Meena	Systematic studies on the genus <i>Andrena</i> (Hymenoptera : Apoidea, Andrenidae)	Dr. Debjani Dey	-
44.	2016	Balaji Rajkumar	Systematic studies on Indian Halictidae (Apoidea: Hymenoptera)	Dr. Debjani Dey	-
45.	2016	Shah Vivek Hanskumar 10113	Evaluation of the insecticidal toxicity variations in <i>Bemisia tabaci</i> (Gennadius) species complex on cotton	Dr. (Ms.) Chitra Srivastava	-
46.	2016	Anil Kumar Cholla	Studies on resistance mechanisms and identification of molecular marker(s) linked to <i>Chilo partellus</i> (Lepidoptera: Pyralidae) resistance in maize	Dr. Subhash Chander	-
M.Sc. Students					
1.	2007	Harish E.R.	Development of low cost media for mass production of <i>Bacillus thuringiensis</i> Berliner	Dr. Bishwajeet Paul	-
2.	2007	Shivanand Naikawadi	Studies on the ovipositional behaviour of <i>Chilo partellus</i> (Swinhoe) in maize agro ecosystems	Dr. P. Kumar	-
3.	2007	Vallepu Venkateswarulu	Influence of morphological characters of chickpea plant on host selection by <i>Helicoverpa armigera</i> (Hubner) (Noetuidae Lepidoptera)	Dr. B. Paul	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
4.	2008	Anup Chandra	Mycoinsecticides for the management of maize stem borers	Dr. P. Kumar	-
5.	2008	Maruthadurai R.	Suitability of artificial medium as viable alternative to castor pollen grains for feeding the adult chrysopids	Dr. R.D. Gautam	-
6.	2008	Dinesh Swami	Efficacy of new formulations of <i>B. thuringiensis</i> var. <i>krustaki</i> against <i>Helicoverpa armigera</i> (Hubner)	Dr. B. Paul	-
7.	2009	Sujayanand G.K.	Ecological studies on <i>Maruca testulalis</i> (Geyer) infesting pigeon pea	Dr. B. Paul	-
8.	2009	Dhanya K.M.	Potential of biopesticides for the management of <i>Chiloloba acuta</i> (Wiedmann) (Coleoptera : Scarabaeidae)	Dr. P. Kumar	-
9.	2010	Nisha Lekshmi	Development of IPM components for organic farming in brinjal	Dr. R.K. Sharma	-
10.	2010	Praful Ashokrao Malthankar	Dietary influence on pink bollworm, <i>Pectinophora gossypiella</i> (Saunders) (Lpidoptera: Gelechiadea) susceptibility to <i>cry1 A c</i> toxins	Dr. G.T. Gujar	-
11.	2010	Bawaskar Datta Madan	Determination of correlation between susceptibility to <i>Sitotroga cereallevella</i> (Oliver) in relation with physical and chemical parameters of maize germplasm	Dr. P. Kumar	-
12.	2011	Rajna S.	Spatial distribution of pest-predator complex and predator diversity in rice ecosystem	Dr. Subhash Chander	-
13.	2011	Achintya	Biosystematic studies on the parasitoid <i>Diaeretiella rapae</i> (Mcintosh) (Hymenopta: Braconidae) <i>vis a vis</i> its aphidhost	Dr. Debjani Dey	IARI Merit Medal
14.	2011	Somina P.S.	Influence of temperature and humidity on <i>Aenasius bambawalei</i> Hayat (Hymenoptera: Encyrtidae) A potential parasitoid of <i>Phenacoccus solenopsis</i>	Dr. R.D. Gautam	-
15.	2011	Divekar Pratap Adinath	Ovipositional preference- a cue for screening maize germplasm for resistance against <i>Chilo partellus</i>	Dr. P. Kumar	-
16.	2012	Mohamad Sithik L.	Screening of some synthetic and biopesticides against termites in wheat	Dr. G.K. Mahapatro	-
17.	2012	Shah Vivek Hanskumar	Feeding potential and insecticidal safety evaluation of <i>Chrysoperla</i> sp.	Dr. B. Paul	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
18.	2012	Guru Pirasanna Pandi G.	Studies on the feeding potential and insecticidal safety evaluation against <i>Cheilomenes sexmaculata</i> (Fab.)	Dr. B. Paul	-
19.	2012	Natarajan A.	Bioefficacy of biorational insecticides against Bihar hairy caterpillar, (<i>Spilarctia obliqua</i> Walker)	Dr. G.K. Mahapatro	-
20.	2013	Thube Shivaji Hansrao	Ecofriendly and IPM-compatible seed treatments for some field crops against termites	Dr. G.K. Mahapatro	-
21.	2013	Mohammed Muzeruddine Baig	Evaluation of sexual dimorphism in A. <i>Aleyrodes prolella</i> (Linnaeus), <i>Bemisia tabaci</i> (Gennadius), <i>Dialeurodes delhiensis</i> David & Sundarraj and <i>Trialeurodes vapo rariorum</i> (Westwood) Hemiptera: Aleyroididae)	Dr. V.V. Ramamurthy	-
22.	2013	Rajesh V.	Life table analysis and management of rice planthoppers	Dr. Subhash Chander	-
23.	2013	Asish Kumar Rout	Studies on diversity of termites of Delhi and their associated gut flora	Dr. V.V. Ramamurthy	-
24.	2014	Dharavat Veeranna	Isolation, identification and characterisation of native <i>Bacillus thuringiensis</i> (Bt) strains and their evaluation for insecticidal activity against <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae)	Dr. (Ms.) Vinay Kalia	-
25.	2014	Namita Poddar	Diversity of gut bacteria in developmental stages of whitefly, <i>Bemisia tabaci</i> (Gennadius)	Dr. S. Subramanian	-
26.	2014	Yogesh Meghasham Yele	Biology and nutritional biochemistry of spotted stem borer, <i>Chilo partellus</i> (Swinhoe) on diverse array of maize genotypes	Dr. M.K. Dhillon	-
27.	2014	Sukhvinder Singh	Taxonomic studies of the genus <i>Maladera</i> (Coleoptera: Scarabacidae: Sericini) of India	Dr. (Ms.) K. Sreedevi	-
28.	2015	Archana Anokhe	Characterization of virus transmission in Asia I and Asia II-I populations of white fly, <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae)	Dr. S. Subramanian	-
29.	2015	Srinivasa N.	Taxonomic studies of leaf hopper fauna associated with mango	Dr. Naresh Meshram	-
30.	2015	Mandla Rajashekher	Isolation and characterization of native <i>Bacillus thuringiensis</i> strains and their activity against cotton aphid, <i>Aphis gossypii</i> Glover	Dr. (Ms.) Vinay Kalia	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
31.	2015	Dileep Kumar S.	Taxonomic studies on the selected <i>Sericine</i> species (Scarbaeidae: Melolonthinae: Sericine)	Dr. (Ms.) K. Sreedevi	-
32.	2016	Laneesha M.	Effect of thermal stress on host insect papaya mealybug, <i>Paracoccus marginatus</i> Williams and Granara De Willink (Hemiptera: Pseudococcidae) and on its parasitoid <i>Acerophagus papayae</i> Noyes and Schauff	Dr. K. Shankargenesh	-
33.	2016	Ramya N.	Taxonomic studies of the genus <i>Maiestas</i> (Hemiptera: Cicadellidae) from India	Dr. Naresh Meshram	-
34.	2016	Sourav Sarkar	Characterization of native <i>Bacillus thuringiensis</i> strains against <i>Spodoptera litura</i> and <i>Spodoptera exigua</i> (Noctuidae: Lepidoptera)	Dr. (Ms.) Vinay Kalia	-
35.	2016	Vinod Kumar P.	Taxonomic studies on white grub species (Coleoptera: Scarabaeidae) associated with groundnut and potato ecosystems	Dr. (Ms.) K. Sreedevi	-

Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
Ph.D. Thesis					
1.	2008	Tran Thi Kieu Trang	Molecular variations and behavioural interactions in some braconid parasitoids associated with cotton ecosystem	Dr. Debjani Dey	Vietnam
2.	2009	Asharaf Oukasha Abdel Latif	Studies on pyrethroid resistance in different populations of <i>Helicoverpa armigera</i> (Hubner) with special reference to esterase and manooxygenase activity	Dr. Chitra Srivastava	Iran
3.	2009	H. Mohammadi	Studies on the organisation of central nervous system and brain neurosecretory cells in some coleopteran families	Dr. V.V. Ramamurthy	Iran
4.	2010	Shahram Mirfakhraie	Biosystematic studies on Hymenoptera associated with <i>Pieris</i> spp.	Dr. Debjani Dey	Iran
5.	2011	Gholamreza Abbaszadeh	Insecticidal and antifeedant and growth inhibitory activity of Indian Bhand tree, <i>Clerodendron infortunatum</i> L. against <i>Helicoverpa armigera</i>	Dr. Chitra Srivastava	Iran
6.	2014	Mohammed Ibrahim Elbashir Ali	Investigation of entomopathogenic fungi (<i>Beauveria bassiana</i> and <i>Metarhizium anisopliae</i>) for control of <i>Bactrocera dorsalis</i> (Mendel) and development of formulation	Dr. B. Paul	Sudan



Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	No. of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2009	Entrepreneurship Development Programme on Microbial Biopesticides	10	Course Director: Dr. G.T. Gujar Coordinators: Dr. Vinay Kalia and Dr. B. Paul
2.	2013	Entrepreneurship Development Programme on Microbial Biopesticides	21	Course Director: Dr. G.T. Gujar Coordinators: Dr. Vinay Kalia and Dr. Neeru Bhushan
3.	2013 - 2014	Subject matter training on 'Crop Protection' for scientists from Islamic Republic of Afghanistan	4	Course Director: Dr. R.K. Jain Coordinators: Dr. Pratibha Sharma, Dr. V.V. Ramamurthy, Dr. Jitendra Kumar and Dr. Sudarshan Ganguly
4.	2013 - 2014	Individual training to Ms. Elizabeth Bandason from Malawi, CV Raman International Fellowship for African Researcher	1	Mentor: Dr. G.T. Gujar
5.	2014	Mass production technologies for natural enemies of crop pests" sponsored by Directorate of Extension, DAC, Ministry of Agriculture, GOI	19	Director: Dr. G.T. Gujar Co-ordinator: Dr. Sachin Suroshe
6.	2014 - 2015	Individual training to Mr. Moses from Tanzania under CV Raman International Fellowship for African Researcher	1	Mentor: Dr. G.T. Gujar
7.	2015	National Symposium on Integrated Pest Management for Sustainable Crop Protection during 24-25 February, 2015	125	Convenor: Dr. G.T. Gujar and Organising Secretary: Dr. M.K. Dhillon
8.	2016	Taxonomy and identification of white grubs (Coleoptera: Scarabaeidae)	14	Director: Dr. Chitra Srivastava Coordinator: Dr. K. Sreedevi
9.	2016	Identification of insect pests/vectors/ damage symptoms and their management	20	Director: Dr. Chitra Srivastava Coordinators: Dr. Subhash Chander and Dr. Naresh Meshram
10.	2016	Individual training Dr. Mohammed Louai Abdalla on 'Exploration of Gut microflora in whitegrubs for pest control'	1	Mentor: Dr. S. Subramanian

Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
With in the Country					
1.	2008	Dr. Subhash Chander	Off Campus Outreach Certificate Program on Remote Sensing, Geographical Information System and Global Positioning System	25-08-08 to 20-11-08 (55-day)	Division of Agricultural Physics, IARI, New Delhi & Indian Institute of Remote Sensing, Dehradun



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
2.	2010	Dr. Vinay K. Kalia	Training Programme on DATA Analysis with SAS Computing	One week Nov., 22-27	Indian Statistical Research Institute, Pusa, New Delhi - 110 012
3.	2012	Dr. Vinay K. Kalia	Bioinformatics: Methods and Approaches for Insect Research	13 days 19 Nov.- 1 December	National Bureau of Agriculturally Important Insects, Bangalore
4.	2013 - 2014	Dr. Sagar, D.	Extraction and Evaluation of Antimicrobial peptides from <i>Fusarium oxysporum</i> challenged Chickpea seeds and seedlings	3 months	AICRP (Chickpea), ZARS, UAS, GKVK, Bangalore
5.	2014	Dr. Sagar, D.	Functional Genomics and Proteomics-Techniques and Tools for Crop Improvement	21 days	Division of Biochemistry, IARI, New Delhi
6.	2014	Dr. Suresh Nebapure	Techniques in insect semiochemical studies at Centre for semiochemicals	6 days (10-02-2014 to 15-02-2014)	CSIR-Indian Institute of Chemical Tech. (IICT), Hyderabad
7.	2015	Dr. Shashank P.R.	Taxonomy of Insects and Mites	21 days	University of Agri.Sciences, Bangalore, Karnataka
8.	2015	Dr. Shashank P.R.	"e-Learning course on Non-chemical Pest Management in Agriculture"	3 days	Asian Productivity Organization and National Productivity council, New Delhi, India
9.	2015 - 2016	Dr. Sachin S. Suroshe	HRD-"Population genetics studies in coccinellid beetles"	2 months	CDFD, Hyderabad
10.	2016	Dr. Sagar, D.	Biochemical and molecular characterization of stress proteins in insects	3 months	CSIR-Indian Institute of Toxicology Research, Lucknow
11.	2016	Dr. Shashank P.R.	HRD training	2 months	National Centre for Biological Sciences (NCBC), Bengaluru
12.	2016	Dr. Suresh Nebapure	Pest Surveillance	7 days 10 to 17-03-2016	National Institute of Plant Health Management, Hyderabad
13.	2016	Dr. Suresh Nebapure	Taxonomy and identification of White grubs (Coleoptera: Scarabaeidae)	7 days 18 to 24-04-2016	Division of Entomology, IARI, New Delhi
Outside the Country					
1.	2014	Dr. Mukesh Kumar Dhillon	Environmental Risk Assessment Workshop: Non-target Organism Testing	23-27 June, 2014	Centre for Environmental Risk Assessment (CERA), USDA and DuPont Pioneer at the Iowa State University, Iowa, USA



Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2007	Dr. Chitra Srivastava	IARI Best Teacher Award	ICAR-IARI, New Delhi
2.	2007	Dr. Subhash Chander	IARI Best Teacher Award	ICAR-IARI, New Delhi
3.	2007	Dr. R.D. Gautam	Dr. R.P. Srivastava Memorial National Award	Entomological Research Association, Udaipur
4.	2007	Dr. Chitra Srivastava	Fellow	Society of Plant Protection Sciences (SPPS), New Delhi
5.	2008	Dr. V.V. Ramamurthy	Fellow	Elected Fellow of Entomological Society of India, New Delhi
6.	2008	Dr. B. subramanyam	Fellow	Elected Fellow of Entomological Society of India, New Delhi
7.	2008	Dr. Subhash Chander	Fellow	Entomological Society of India, New Delhi
8.	2008	Dr. Debjani Dey	Fellow	Entomological Society of India, New Delhi
9.	2008	Dr. G.K. Mahapatro	Fellow	Entomological Society of India, New Delhi
10.	2008	Dr. Vinay K. Kalia	Fellow	Entomological Society of India, New Delhi
11.	2009	Dr. R.D. Gautam	IARI Best Teacher Award	ICAR-IARI, New Delhi
12.	2009	Dr. G.T. Gujar	Prof. K.P. Kushwaha Memorial Medal	MPUAT, Udaipur, 2009
13.	2009	Dr. G.T. Gujar	Delivered Dr. D. Saharia Memorial lecture	Assam Agric. Univ., Jorhat
14.	2009	Dr. Kirti Sharma	Team Award - 'The Manthan Award for South Asia	Digital Empowerment Foundation, New Delhi
15.	2010	Dr. Mukesh Kumar Dhillon	Fellow	Fellow Plant Protection Association of India
16.	2011	Dr. Subhash Chander	Sukumar Basu Memorial Award	ICAR-IARI, New Delhi
17.	2011	Dr. G.K. Mahapatro	National Fellow Project	ICAR, New Delhi
18.	2011	Dr. G.K. Mahapatro	Bharat Jyoti Award	India International Friendship Society (IIFS), New Delhi
19.	2012	Dr. Subhash Chander	Nominated Doctoral Committee Member	School of Sciences, IGNOU, New Delhi
20.	2012	Dr. G.K. Mahapatro	Best Poster Award	International Science Congress Association (ISCA)
21.	2012	Dr. Mukesh Kumar Dhillon	Fellow	The Entomological Society of India
22.	2012	Dr. Shashank P.R.	Best Trainee Award in 96 th FOCARS	ICAR-NAARM, Hyderabad, India



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
23.	2013	Dr. K. Sreedevi	Jagdiswari Rao Women Scientist Award	AZRA, Cuttack
24.	2013	Dr. Subhash Chander	Appreciation letter for participating in Pusa Vishishth Hindi Pravakta Puraskar Yojna-2013 and delivering lectures in Rajbhasha	Joint Director (Res.), IARI, New Delhi
25.	2013	Dr. Vinay K. Kalia	Appreciation letter for excellent teaching in Entomology	Dean and Joint Director (Edn), IARI, New Delhi
26.	2014	Dr. Subhash Chander	ICAR Bharat Ratna Dr. C. Subramaniam Award for outstanding Teachers for Crop & Horticultural Sciences-2014	ICAR, New Delhi
27.	2014	Dr. Sachin S. Suroshe	Best Poster award from SARP	NRC on Pomegranate, Solapur (M.S.)
28.	2014	Dr. Sachin S. Suroshe	Young Scientist Start-up grant	DST (SERB), New Delhi
29.	2014	Dr. M.K. Dhillon	Fellow	The Academy of Environmental Biology, Lucknow
30.	2014	Dr. K. Shankarganesh	Fellow	Society for Biocontrol Advancement, Bengaluru
31.	2014	Dr. Naresh Meshram	Best Poster Award	National Symposium on Entomology, COHF Pasighat, Arunachal Pradesh
32.	2014	Dr. Vinay K. Kalia	Appreciation letter for excellent teaching in Entomology	Dean and Joint Director (Edn), IARI, New Delhi
33.	2015	Dr. K. Sreedevi	Gold Medal	High-tech Horticultural Society (HTHS), Uttar Pradesh
34.	2015	Dr. Subhash Chander	Best Poster Award	National Symposium on IPM for sustainable crop protection, IARI, New Delhi
35.	2015	Dr. Debjani Dey	Best Poster Award	National Symposium on IPM for sustainable crop protection, IARI, New Delhi
36.	2015	Dr. Vinay Kalia	Best Poster Award	National Symposium on IPM for sustainable crop protection, IARI, New Delhi
37.	2015	Dr. K. Shankarganesh	Best oral Presentation Award	Int. Conference on Innovative Insect Pest Management, TNAU, Madurai
38.	2015	Dr. K. Shankarganesh	Best Poster Award	National Entomology Meet, NBAIR, Bangalore
39.	2015	Dr. G.K. Mahapatro	Fellow	Society of Plant Protection Sciences (SPPS), New Delhi



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
40.	2015	Dr. G.K. Mahapatro	Best Oral presentation	National Seminar on Contextual Relevance of ITK in Plant Protection, ICAR-NCIPM and ICAR-IARI, New Delhi
41.	2015	Dr. Shashank P.R.	Young Scientist Start up Research Grant	DST (SERB), New Delhi
42.	2016	Dr. R.K. Sharma	Dr. R.P. Srivastava Memorial Award 2015-16	Entomological Research Association, Udaipur
43.	2016	Dr. Subhash Chander	Nominated RAC Member	ICAR-Indian Institute of Pulses Research (IIPR) Kanpur
44.	2016	Dr. Subhash Chander	Appointed Member on the Faculty of Agriculture	Banaras Hindu University (BHU), Varanasi
45.	2016	Dr. Subhash Chander	Nominated Doctoral Committee Member	School of Sciences, IGNOU, New Delhi
46.	2016	Dr. Sachin S. Suroshe	Fellow	Confederation of Horticultural Association of India (CHAI), New Delhi
47.	2016	Dr. K. Shankarganesh	Fellow	Plant Protection Association of India
48.	2016	Dr. Debjani Dey	1 st Prize for Poster Presentation	Second National Symposium on Environment: Greener Future and Awareness at held at Department of Zoology, University of Delhi

Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2009	Dr. Subhash Chander	International Conference on Biopesticides: Stakeholders' Perspectives. Organized by Society for Promotion and Innovation of Biopesticides in Collaboration with TERI during, 2009	26-30 April	New Delhi
2.	2009	Dr. Chitra Srivastava	International Conference on Biopesticides: Stakeholders' Perspectives. Organized by Society for Promotion and Innovation of Biopesticides in Collaboration with TERI during, 2009	26-30 April	New Delhi
3.	2009	Dr. Debjani Dey	International Conference on Biopesticides: Stakeholders' Perspectives. Organized by Society for Promotion and Innovation of Biopesticides in Collaboration with TERI during, 2009	26-30 April	New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
4.	2009	Dr. Biswajeet Paul	International Conference on Biopesticides: Stakeholders' Perspectives. Organized by Society for Promotion and Innovation of Biopesticides in Collaboration with TERI during 2009	26-30 April	New Delhi
5.	2012	Dr. Vinay K. Kalia	Participated in the 2 nd Workshop held in University of Melbourne of the Grand Challenge Project entitled "Crop plants which remove their own biotic Constraints"	12 days	Melbourne School of Land and Envi., Australia
6.	2012	Dr. Subhash Chander	IUPAC sponsoted 2 nd Intern. Conf. on Agrochemicals Protecting Crops, Health and Natural Environment, IARI & SPSA, New Delhi	8-12 February	New Delhi
7.	2012	Dr. Chitra Srivastava	IUPAC sponsoted 2 nd Intern. Conf. on Agrochemicals Protecting Crops, Health and Natural Environment, IARI & SPSA, New Delhi	8-12 February	New Delhi
8.	2012	Dr. Debjani Dey	IUPAC sponsoted 2 nd Intern. Conf. on Agrochemicals Protecting Crops, Health and Natural Environment, IARI & SPSA, New Delhi	8-12 February	New Delhi
9.	2012	Dr. Mukesh Kumar Dhillon	24 th International Congress of Entomology: New Era in Entomology	19-25 August	EXCO, Daegu, South Korea
10.	2012	Dr. Mukesh Kumar Dhillon	2 nd Insect Bio-EXPO 2012 & 2 nd International Symposium on Insect Bio-Industry: Achievement & Challenge, organized by "Kyungpook National University and Yecheon County, South Korea	17-19 August	Yecheon County, South Korea
11.	2014	Dr. Chitra Srivastava	Joint workshop of the project entitled 'Ensuring food security, harnessing Science to protect our grain harvest from insect thieves' under Australia-India Strategic Research Fund (AISRF)	26 April-4 May	University of Queensland Australia
12.	2014	Dr. S. Subramanian	Joint workshop of the project entitled 'Ensuring food security, harnessing Science to protect our grain harvest from insect thieves' under Australia-India Strategic Research Fund (AISRF)	26 April-4 May	University of Queensland Australia
13.	2016	Dr. Mukesh Kumar Dhillon	25 th International Congress of Entomology: Entomology Without Borders (ICE 2016)	25-30 September	Orlando, Florida, USA
14.	2016	Dr. Mukesh Kumar Dhillon	International collaborative teams visit to field-oriented research program on sugarcane aphid research on sorghum at the Crop Genetics and Breeding Research Unit at the Tifton, Georgia, USA	1-4 October 2016	Tifton, Georgia, USA



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
15.	2016	Dr. Chitra Srivastava	3 rd International IUPAC Conference on Agrochemicals protecting crops, health and natural environment -“New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April 2016	New Delhi
16.	2016	Dr. Chitra Srivastava	10 th International Conference on Controlled Atmosphere and Fumigation in stored products	7-11 November	New Delhi
17.	2016	Dr. Subhash Chander	3 rd International IUPAC Conference on Agrochemicals protecting crops, health and natural environment -“New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April 2016	New Delhi
18.	2016	Dr. Debjani Dey	3 rd International IUPAC Conference on Agrochemicals protecting crops, health and natural environment -“New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April 2016	New Delhi
19.	2016	Dr. S. Subramanian	3 rd International IUPAC Conference on Agrochemicals protecting crops, health and natural environment -“New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April 2016	New Delhi
20.	2016	Dr. S. Subramanian	10 th International Conference on Controlled Atmosphere and Fumigation in stored products	7-11 November	New Delhi
21.	2016	Dr. S. Subramanian	International conference on Entomology	3-5 Dec.	Patiala
22.	2016	Dr. Suresh Nebapure	3 rd International IUPAC Conference on Agrochemicals protecting crops, health and natural environment -“New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April	New Delhi
23.	2016	Dr. Suresh Nebapure	International conference on Entomology	3-5 December	Patiala
24.	2016	Dr. Sagar D.	3 rd International IUPAC Conference on Agrochemicals protecting crops, health and natural environment -“New Chemistries for Phytomedicines and Crop Protection Chemicals	6-9 April	New Delhi
25.	2016	Dr. Sagar D.	International conference on Entomology	3-5 December	Patiala



List of Publications Faculty and Students

S. No.	Author	Year	Title Name	Journal and Volume	NAAS Rating	Citation Index
1.	Bera A., Sinha S.N., Gaur A., Srivastava C.	2007	Effect of carbon dioxide rich Atmosphere on storage insects and fungi	<i>India Journal of Agricultural Sciences</i> 77(11): 48-53	3	-
2.	Berin P., Srivastava C., Walia S.	2007	Insect growth regulatory activity of <i>Andrographis paniculata</i> (Acanthaceae) extracts against Tobacco caterpillar, <i>Spodoptera litura</i>	<i>Indian Journal of Entomology</i> 69(1): 23-27	4.3	6
3.	Debjani D., Samim M.A.	2007	Diversity of natural enemies of aphids belonging to Aphidiinae (Hymenoptera: Braconidae) in India	<i>Journal of Asia Pacific Entomology</i> 10(4): 281-296		3
4.	Dhingra S., Bhandari J.K.S., Shankarganesh K.	2007	Relative resistance of hairy and non-hairy caterpillars to insecticide mixtures	<i>Journal of Entomological Research</i> 31(3): 1-4	3.72	2
5.	Dhingra S., Srivastava C., Halder J., Bhandari J.K.S., Jha A.N.	2007	Efficacy of different extracts of <i>Caesalpinia crista</i> as grain protectant against <i>Callasobruchus chinensis</i> L. in and their effect on seed germination	<i>Indian Journal of Entomology</i> 69(2)	4.30	
6.	Gautam R.D., Saxena U., Gautam S., Khan M.A., Gautam, C.P.N.	2007	Studies on Solanum mealy bug, <i>Phenacoccus solani</i> Ferris (Hemiptera: Pseudococcidae), its parasitoid and predator complex, reproductive potential and utilization as laboratory prey for rearing the ladybird and green lace wing predators	<i>Journal of Entomological Research</i> 31(3): 259-264	3.72	9
7.	Halder J., Dhingra S., Shankarganesh K., Bhandari J.K.S.	2007	Relative toxicity of some synthetic insecticides with special reference to change in the susceptibility level of <i>Myzus persicae</i> Sulz. over a decade	<i>Pesticide Research Journal</i> 19(1): 76-78	4.16	1
8.	Kodandaram M.H., Dhingra S.	2007	Vaiation in the susceptibility of <i>Spodoptera litura</i> (Fab.) populations to various synthetic pyrethroids	<i>Pesticide Research Journal</i> 19(1): 73-75	4.16	0
9.	Kuldeep A., Debjani D.	2007	Bioefficacy and economics of different insecticides in the management of <i>Pieris brassicae</i> (Linn.) on <i>Brassica carinata</i>	<i>Indian Journal of Agricultural Sciences</i> 77(10): 705-707	6.14	0



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10.	Michaelraj S., Sharma K., Sharma R.K.	2007	Fumigation Toxicity of some Phyto-Essential Oils against Stored Insect Pests of Maize	<i>Pesticide Research Journal</i> 18(1): 9-14	4.16	2
11.	Muthukumar M., Sharma R.K.	2007	Spatial distribution pattern of <i>Lipaphis erysimi</i> on cauliflower	<i>Annals of Plant Protection Sciences</i> 15: 486-488		2
12.	Muthukumar M., Sharma R.K., Sinha S.R.	2007	Field efficacy of bio-pesticides and new insecticides against major insect pests and their effect on natural enemies in cauliflower	<i>Pesticide Research Journal</i> 19: 190-196	4.16	5
13.	N. Sambasiva Rao, Kirti Sharma, D.B. Saxena	2007	Ovicidal Effect of Seed Extracts from Custard Apple, <i>Annona squamosa</i> L. on Rice Moth, <i>Corcyra cephalonica</i> (Stainton) and Khapra Beetle, <i>Trogoderma granarium</i> Everts	<i>Pesticide Research Journal</i> 18(1): 4-6	4.16	5
14.	Ram Prasad B., Singh V.S., Chander S., Kumar J.	2007	Residue evaluation of controlled-release formulations of imidacloprid against rice leaf folder	<i>Bulletin of Environmental Contamination and Toxicology</i> 78(3-4): 235-238	7.26	8
15.	Reji G., Chander S.	2007	Thermal requirements for development of rice bug, <i>Leptocorisa acuta</i> under variable temperature conditions	<i>Journal of the Entomological Research Society</i> 31(3): 229-232	3.72	3
16.	Satish D., Chande, S., Reji G., Singh V.S.	2007	Determining optimum number of pesticide applications and economic injury level for leaf folder on rice	<i>Pesticide Research Journal</i> 19(2): 182-185	4.16	0
17.	Satish D., Chander S., Reji G.	2007	Simulation of economic injury levels for leaf folder on rice	<i>Journal of Scientific and Industrial Research</i> 66: 905-911	6.50	3
18.	Seth R.K., Barik T.K., Gautam R.D.	2007	Safety Evaluation of Parthenium Beetle, <i>Zygogramma bicolorata</i> Pallister (Chrysomelidae: Coleoptera) against Entomopathogenic nematode, <i>Steinernema glaseri</i> (Steiner)	<i>Journal of Entomological Research</i> 31(4): 313-317	3.72	0
19.	Sherry R.J., Sinha S.N., Arun K.M.B., Srivastava C.	2007	Enhancement of Efficacy of seed protectant through polymer seed coating in tomato	<i>Pusa Agri Science</i> 30: 42-47	2.20	0



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20.	Arya K., Dey D.	2008	Bioefficacy and economics of different insecticides in the management of <i>Pieris brassicae</i> (Linn.) on <i>Brassica carinata</i>	<i>Indian Journal of Agricultural Sciences</i> 77(10): 705-707	6.14	0
21.	Beevi, Pathummal S., Mahapatro G.K.	2008	Species-spectrum and inter-relationship between ant and spider fauna in cashew agro-ecosystem	<i>Journal of Plantation Crops</i> 36(3): 375-381	3.06	2
22.	Bera, Sinha S.N., Gaur A., Srivastava C.	2008	Effect of modified atmosphere storage on seed quality parameters of paddy	<i>Seed Research</i> 36(1): 56-63	-	0
23.	Bhattacharyya B., Gautam R.D.	2008	Dispersal of 32P-labeled <i>Trichogramma chilonis</i> in rice field	<i>Journal of Biological Control</i> 22(2): 267-270	3.96	2
24.	Birah A., Alpana, Brijesh S., Mahapatro G.K., Gupta G.P.	2008	Toxicity evaluation of emamectin benzoate against tobacco caterpillar (<i>Spodoptera litura</i>) by different assay techniques	<i>Indian Journal of Entomology</i> 70(3): 200-205	4.3	1
25.	Buhroo A.A. Ramamurthy V.V.	2008	Seasonal history and activity of the bark beetle <i>Scnlytus nitidus</i> Schedl (Coleoptera: Scolytidae) on apple trees in Kashmir	<i>Indian Journal of Entomology</i> 70(4): 385-388	4.3	2
26.	Chander S., Daryaei M.G., Aggarwal P.K.	2008	Assessment of crop losses due to insect pests and weeds in rice (<i>Oryza sativa</i>).	<i>Indian Journal of Agricultural Sciences</i> 78(3): 333-336	6.14	3
27.	Chander S., Palta R.K.	2008	Field efficacy of insecticides against rice leaf folder, <i>Cnaphalocrocis medinalis</i> and plant hoppers, <i>Nilaparvata lugens</i> and <i>Sogatella furcifera</i> infesting rice	<i>Pesticide Research Journal</i> 20(1): 67-69	4.16	2
28.	Coumar A., Debjani D.	2008	Redescription of <i>Camponotus compressus</i> Fabricius (Hymenoptera: Formicidae: Formicinae: Camponotini)	<i>Annals of Plant Protection Sciences</i> 16(1): 128-130	3.65	0
29.	Coumar A., Debjani D.	2008	Description of a new species of <i>Cerceris</i> Latreille along with a new record from India (Hymenoptera: Sphecidae: Philanthinae: Cercerini)	<i>Journal of Bombay Natural History</i>	3.97	0



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30.	Debjani D., Coumar A.	2008	Report of a third <i>Camponotus</i> sp. with metapleural gland from the world and first from India (Hymenoptera: Formicidae: Formicinae: Camponotini)	<i>Acta Sinica Entomologia</i> 51(2): 234-236	-	2
31.	Debjani D. Mukherji, Irani Trimohan	2008	Evaluation of some insecticides against <i>Melanogromyza sojae</i> Zehn. And <i>Bemisia tabaci</i> Genn soybean	<i>Pesticides Research Journal</i> 20(1): 72-74	4.16	0
32.	Dhingra S., Srivastava C., Bhandari J.K.S., Jha A.N., Halder J.	2008	Susceptibility Status of Cabbage butterfly, <i>Pieris brassicae</i> (Linneus Pieridae: Lepidoptera) to different Synthetic pyrethroids	<i>Pesticide Research Journal</i> 20(1): 114-116	4.16	0
33.	Dhingra S., Mahapatro G.K. and Bhandari J.K.S.	2008	Toxicity and antifeedancy of <i>Caesalpinia crista</i> seed extractives against <i>Aphis craccivora</i> Koch	<i>Indian Journal of Entomology</i> 70(1): 75-78	4.30	0
34.	Gautam R.D.	2008	Solanum mealy bug, <i>Phenacoccus solani</i> - an emerging threat to Indian Agri-horticultural production and trade: management strategies	<i>Indian Journal of Applied Entomology</i> 22(1): 1-7	2.87	6
35.	Gautam C.P.N., Verma R.A., Gautam R.D., Khan M.A.	2008	Comparative efficacy of some chemical insecticides, biopesticides and botanicals against <i>Leucinides orbonalis</i> Guenee infesting brinjal	<i>Annals of Plant Protection Sciences</i> 16(2): 309-311	3.65	6
36.	Gautam S., Singh A.K., Thomas A., Malathi V.G., Gautam R.D.	2008	Morphological and molecular differentiations among the green lacewings collected from cotton field in Delhi	<i>Journal of Entomological Research</i> 32(4): 291-294	3.72	3
37.	Gautam R.D., Gautam C.P.N., Khan M.A., Gautam S.	2008	Studies on the breeding and generation potential of <i>Zygotogramma bicolorata</i> Pallister	<i>Indian Journal of Applied Entomology</i> 22(1): 8-11	2.87	2
38.	Gujar G.T., Nair R., Singh B.P., Kumari A., Kalia V.	2008	Gujar GT, Nair R, Singh BP, Kumari A, Kalia V (2008) Toxicity to the cotton bollworm, <i>Helicoverpa armigera</i> , of some Cry 1Ac toxins expressed in cotton in India	<i>Crop Protection</i> 27: 537-544	7.49	12



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39.	Jayasekera S., Malathi V.G., Ramamurthy V.V.	2008	Molecular markers for differentiating the populations of <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae), vector of begomoviruses	<i>Indian Phytopathology</i> 61(2): 252-258	4.59	-
40.	Jha A.N., Srivastava C., Misra S.K.	2008	Weight loss in cowpea cultivars to <i>Callosobruchus maculatus</i> (Fab.) in storage conditions	<i>Indian Journal of Entomology</i> 70(2): 181-183	4.30	3
41.	Jha A.N., Kumar J., Palta R.K., Srivastava C., Chander S.	2008	Evaluation of polymeric seed coats containing Azadirachtin-A on soybean seed against oviposition of <i>Callosobruchus analis</i>	<i>Pesticide Research Journal</i> 20(1): 64-66	4.16	0
42.	Kalra, N., Chakraborty D., Sharma A., Rai H.K., Jolly M., Chander S., Sehgal M.	2008	Effect of increasing temperature on yield of some winter crops in northwest India	<i>Current Science</i> 94(1): 82-88	6.93	106
43.	Kavitha G., Debjani D.	2008	Systematic history and taxonomic position of the genus <i>Apanteles</i> Foerster	<i>Annals of Plant Protection Sciences</i> 16(1): 233-234	3.65	0
44.	Kumar D., Subrahmanyam B., Sharan S.K., Mishra P.K., Singh B.M.K., Suryanarayana N.	2008	Endogenous 20-hydroxyecdysone levels in the haemolymph of non-diapause and diapause-destined generations of tasar silkworm, <i>Antheraea mylitta</i> (Lepidoptera: Saturniidae) and associated developmental changes	<i>European Journal of Entomology</i> 105: 59-98	6.98	8
45.	Lokeshwari R.K., Bilashini Y., Gautam R.D., Singh T.K.	2008	Comparative life history of <i>Zygogramma bicolorata</i> Pallister (Coleoptera: Chrysomelidae) on two different host plants	<i>Indian Journal of Applied Entomology</i> 22(1): 45-47	2.87	1
46.	Mahapatro G.K.	2008	A refined damage rate scoring method for tea mosquito bug infestation in cashew	<i>Indian Journal of Entomology</i> 70(3): 273-277	4.30	1
47.	Mahapatro G.K.	2008	Evaluation of insecticidal sprays for control of tea mosquito bug <i>Helopeltis antonii</i> and other insect-pests in cashew	<i>Indian Journal of Entomology</i> 70(3): 217-222	4.30	2



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48.	Mahapatro G.K.	2008	<i>Helopeltis</i> management in cashew: a critical review	<i>Indian Journal of Entomology</i> 70(4): 293-308	4.30	10
49.	Mahapatro G.K., Ajanta B., Gupta G.P.	2008	Pesticides in India: the emerging trends	<i>Indian Journal of Entomology</i> 70(1): 1-11	4.30	0
50.	Mareen A., Mahapatro G.K., Mathew J.	2008	Variability in cashew (<i>Anacardium occidentale</i>) by induced irradiation	<i>Indian Journal of Agricultural Sciences</i> 78(3): 230-233	6.14	2
51.	Michaelraj S., Sharma K., R.K. Sharma	2008	Fumigant toxicity of essential oils against key pests of stored maize	<i>Annals of Plant Protection Sciences</i> 16: 356-359	3.65	5
52.	Mittal A., Kalia V., Singh D.K., Gujar G.T.	2008	Inheritance of Resistance to <i>Bacillus thuringiensis</i> Toxin Cry1Ab in the Diamondback Moth, <i>Plutella xylostella</i>	<i>Biopesticides International</i> 4(2): 110-120	4.35	0
53.	Mohan M., Sushil S.N., Bhatt J.C., Gujar G.T., Gupta H.S.	2008	Synergistic interaction between sub-lethal doses of <i>Bacillus thuringiensis</i> and <i>Campoletis chlorideae</i> in managing <i>Helicoverpa armigera</i>	<i>Biocontrol</i> 53: 375-386 (Online DOI: 10.1007/s10526-007-9079-	7.69	14
54.	Mohan M., Sushil S.N., Selvakumar G., Bhatt J.C., Gujar G.T., Gupta H.S.	2008	Differential toxicity of <i>Bacillus thuringiensis</i> strains and their crystal toxins against high altitude Himalayan populations of diamondback moth, <i>Plutella xylostella</i> L.	<i>Pest Management Science Online</i> (www.interscience.com) DOI: 10.1002.ps/1639	8.69	15
55.	Paul R., Walia S., Kumar J., Srivastava C.	2008	Synthesis and IGR activity of aceoxyimino derivatives of essential oil constituent fenchone against <i>Spodoptera litura</i> (Fabricius)	<i>Pusa AgriScience</i> 31: 81-85	2.20	0
56.	Raghav D., Sharma R.K., Rajvanshi S.K.	2008	Screening of maize germ-plasms against <i>Trogoderma granarium</i> (Everts)	<i>Annals of Plant Protection Sciences</i> 16: 356-359	3.65	4
57.	Raghuraman M., Birah Ajanta, Gupta G.P.	2008	Bioefficacy of acetamiprid on sucking pests in cotton	<i>Indian Journal of Entomology</i> 70(4): 319-325	4.30	3
58.	Reji G., Chander S., Aggarwal P.K.	2008	Simulating rice stem borer, <i>Scirpophaga incertulas</i> Wlk., Damage for developing decision support tools	<i>Crop Protection</i> 27: 1194-1199	7.49	11



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59.	Reji G., Chander S.	2008	A degree-day simulation model for the population dynamics of the rice bug, <i>Leptocorisa acuta</i> (Thunb.)	<i>Journal of Applied Entomology</i> 132(8): 646-653	2.87	12
60.	Sarao P.S., Mahal, M.S., Debjani D.	208	Diversity of natural enemy fauna in rice agroecosystem in relation to different levels of nitrogen	<i>Journal of Biological Control</i> 22(1): 125-130	10.57	0
61.	Sekhar J.C., Kumar P., Sharma R.K.	2008	Avoidable losses due to <i>Spodoptera exigua</i> Hubner in grain yield of maize sown in rabi season	<i>Indian Journal of Entomology</i> 70(4): 402-403	4.30	1
62.	Sekhar J.C., Kumar P., Rakshit S., Sharma R.K., Choudhary R., Dass S.	2008	Ovipositional behaviour of Pink Borer, <i>Sesamia inferens</i> Walker on maize	<i>Indian Journal of Entomology</i> 70(3): 280-281	4.30	0
63.	Sharma R.K., Sinha S.R., Singh R.	2008	Efficacy of some new insecticides against insect pests of brinjal with reduced number of sprays	<i>Journal of Insect Science</i> 21: 168-170	7.03	2
64.	Srivastava C, Sinha SN	2008	Susceptibility of <i>Callosobruchus</i> sp. collected from various NSP centres to insecticides	<i>Annals of Plant Protection Sciences</i> 16(2): 337-340	3.65	1
65.	Fand B.B., Gautam R.D., Kamra A., Suroshe S.S.	2009	Evaluation of aqueous garlic extract and a bacterium, <i>Photorhabdus luminescens</i> against <i>Phenacoccus solenopsis</i> and coccinellid predators	<i>Journal of Biological Control</i> 24(1): 35-41	10.57	0
66.	Gautam R.D., Suroshe S., Mahapatro G.K.	2009	Unique record of chloropid pest in rice (<i>Oryza sativa</i>)	<i>Indian Journal of Agricultural Sciences</i> 79(10): 841-843	6.14	0
67.	Gautam R.D., Suroshe S., Gautam S., Saxena U., Babasaheb B. Fand, Gupta T.	2009	Fortuitous Biological Control of exotic mealybug, <i>Phenacoccus solenopsis</i> - A boon for Indian Growers	<i>Annals of Plant Protection Sciences</i> 17(2): 473-474	3.65	18
68.	Gautam S., Singh A.K., Gautam R.D.	2009	Comparative life table analysis of Chrysopids reared on <i>Phenacoccus solenopsis</i> Tinsley in Laboratory	<i>Journal of Biological Control</i> 23(4): 393-402	10.57	6
69.	Gupta S., Sharma R.K., Gupta R.K., Sinha S.R., Singh R., Gajbhiye V.T.	2009	Persistence of new insecticides and their efficacy against insect pests of okra	<i>Bulletin of Environmental Contamination and Toxicology</i> 82: 243-247	7.26	25



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70.	Alder J., Srivastava C., Dhingra S., Prem Dureja, Tanwar R.S.	2009	Antifeedant activity of methanolic extracts of <i>Vinca rosea</i> and <i>Callistemoon Lanceolatus</i> against <i>Helicoverpa armigera</i>	<i>Annals of Plant Protection Sciences</i> 17(2): 496-497	3.65	2
71.	Jacob S.R., Arunkumar M.B., Gopal M., Srivastava C., Sinha S.N.	2009	An analysis of the persistence and potency of film-coated seed protectant as influenced by various storage parameters	<i>Pest Management Science</i> 65(7): 817-822	8.69	1
72.	Jha A.N., Srivastava C., Kumar J.	2009	Relative susceptibility of chickpea cultivars to <i>Callosobruchus chinensis</i> (Linn.) and <i>C. analis</i> (Fab.)	<i>Journal of Food Legume</i> 22(2): 149-151	3.19	1
73.	Jha A.N., Srivastava C., Kumar J.	2009	Host susceptibility of chickpea (<i>Cicer arietinum</i>) cultivars to <i>Callosobruchus chinensis</i> and <i>Callosobruchus analis</i>	<i>Indian Journal of Agricultural Sciences</i> 79(5): 72-74	6.14	1
74.	Raghav D., Sharma R.K., Rajvanshi S.K., Sharma K.	2009	Evaluation of maize germplasms for resistance against <i>Sitophilus oryzae</i> (L.)	<i>Annals of Plant Protection Sciences</i> 17: 75-77	3.65	3
75.	Shakil N.A., Kumar J., Pankaj, Pandey A., Ahluwalia V., Singh M.K., Srivastava C.	2009	Synthesis and Pesticidal activity of new N- alkyl-N-[1-(2-hydroxyphenyl) ethyl]amines	<i>Journal of Environmental Science and Health Part B</i> 44(4): 344-349	7.20	7
76.	Shanas S., Ramamurthy V.V.	2009	A Study on the Oriental weevil genus <i>Episomus</i> (Coleoptera: Curculionidae)	<i>Oriental Insects, USA</i> 43: 77-154	6.27	0
77.	Shankarganesh K., Walia S., Dhingra S.	2009	Insecticidal synergism of Benzol-3 dioxole compounds on larvae of Guntur population of <i>Spodoptera litura</i> (Fabricius)	<i>Annals of Plant Protection Sciences</i> 17(2): 295-298	3.65	0
78.	Seenivasagan T., Chander S., Paul A.V.N.	2009	Orientation and behavioural responses of <i>Cotesia plutellae</i> to cruciferous host plants and host larval body extracts	<i>Journal of Biological Control</i> 23(4): 365-373 (IF = 4.7)	10.57	4
79.	Sharma R.K. and Sinha S.R.	2009	Insect pest management of okra with baby corn as a border crop and eco-friendly insecticides	<i>Journal of Insect Science</i> 22: 254-258	3.44	1



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80.	Sharma R.K., S.R. Sinha	2009	Evaluation of some novel and eco- friendly insecticides against fruit fly of bitter gourd	<i>Journal of Insect Science</i> 22: 202-203	3.44	2
81.	Shelton A.M., Gujar G.T., Chen M., Rauf A., Srinivasan R., Kalia V., Mittal A., Russell D., Wu Y., Uijtewaal B.	2009	Assessing the susceptibility of cruciferous lepidoptera to cry1ba2 and cry1ca4 for future transgenic cruciferous vegetables	<i>Journal of Economic Entomology</i> 102(6): 2217-2223	7.51	7
82.	Sherry Rachel Jacob, ArunKumar M.B., Gopal M., Srivastava C., Sinha S.N.	2009	An analysis of the persistence and potency of film-coated seed protectant as influenced by various storage parameters	<i>Pest Management Science</i> 65(7): 817-822	8.69	1
83.	Sinha, S.R. and Vishwa Nath	2009	Efficacy of Insecticides and mixtures against insect pests of okra	<i>Annals of Plant Protection Sciences</i> 17(2): 328-331	3.65	4
84.	Sinha S.R., Nath V., Rai Singh	2009	Management of <i>Earias vittella</i> through new insecticide schedules	<i>Annals of Plant Protection Sciences</i> 17(1): 242-243	3.65	3
85.	Srivastava C., Chander S., Sinha S.R., Palta R.K.	2009	Toxicity of various insecticides against Delhi and Palla populations of brown plant hopper (<i>Nilaparvata lugens</i>)	<i>Indian Journal of Agricultural Sciences</i> 79(12): 1003-1006	6.14	11
86.	Aggarwal N., Kumar R., Srivastava C., Dureja P., Khurana M.	2010	Synthesis of nalidixic Acid based hydrazones as novel pesticides	<i>Journal of Agricultural and Food Chemistry</i> 58(5): 3056-3061	8.91	30
87.	Akhtar M.S., Dey D., Usmani M.K.	2010	Seasonal abundance of <i>Diaretiella rapae</i> (M'Intosh) (Braconidae: Aphidiinae) parasitizing <i>Lipaphis erysimi</i> (Kaltenbach) (Hemiptera: Aphididae) in <i>Brassica juncea</i> variety Pusa bold	<i>Munis Entomology and Zoology</i> 5(2): 692-696	-	5
88.	Akhtar M.S., Dey D., Usmani M.K.	2010	Spatial Distribution of Mustard Aphid <i>Lipaphis erysimi</i> (Kaltenbach) Vis-à-vis its Parasitoid, <i>Diaretiella rapae</i> (M'intosh)	<i>World Applied Sciences Journal</i> 11(3): 284-288	-	3
89.	Andrew J.P., Ramamurthy V.V.	2010	A checklist of weevils of the tribe Mecysolobini (Coleoptera: Curculionidae: Molytinae)	<i>Oriental Insects</i> 271-336	6.27	



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90.	Upadhayay A., Gopal M., Srivastava C., Pandey N.D.	2010	Isoxazole derivatives as a potential insecticide for managing <i>Callosobruchus maculatus</i>	<i>Journal of Pesticide Science</i> 35(4): 464-469	6.72	9
91.	Ashraf O., Abd El-Latif B., Subrahmanyam B.	2010	Pyrethroid resistance and esterase activity in three strains of the cotton bollworm, <i>Helicoverpa armigera</i> (Hübner)	<i>Pesticide Biochemistry and Physiology</i> 96: 155-159	8.01	10
92.	Baskaran V., Sharma K.	2010	Effect of different salt mixtures on the growth and development and reproductive potential of <i>Bactrocera dorsalis</i> (Hendel) in the artificial diet	<i>Indian Journal of Applied Entomology</i> 24(1): accepted	2.87	0
93.	Boomiraj K., Chakrabarti B., Aggarwal P.K., Choudhary R., Chander S.	2010	Assessing the vulnerability of Indian mustard to climate change	<i>Agriculture, Ecosystems & Environment</i> 138: 265-273	9.40	40
94.	Chander S., Palta R.K.	2010	Rice brown planthopper outbreak in relation to weather factors	<i>Indian Journal of Entomology</i> 72: 178-180	4.30	4
95.	Chaubey R.J., Naveen N.C., Ramamurthy V.	2010	An illustrated taxonomic diagnosis of <i>Bemisia tabaci</i> (Gennadius) with additional notes on its life stages	<i>Indian Journal of Entomology</i> 72(4): 321-325	4.30	3
96.	Reddy D.R., Srivastava C., Gotyal B.S.	2010	Evaluation of Insect Growth Regulatory Activity of Neem formulations against <i>Helicoverpa armigera</i> (Hubner)	<i>Annals of Plant Protection Sciences</i> 18(1): 77-81	3.65	5
97.	Dhillon M.K. Sharma H.C.	2010	Chickpea mediated effects of <i>Bacillus thuringiensis</i> on <i>Helicoverpa armigera</i> and its larval parasitoid, Campoletischlorideae	<i>Journal of Applied Entomology</i> 134: 682-693	2.87	3
98.	Dhillon M.K. Sharma H.C.	2010	Influence of seed treatment and abiotic factors on damage to <i>Bt</i> and non- <i>Bt</i> cotton genotypes by the serpentine leaf miner, <i>Liriomyza trifolii</i> (Diptera: Agromyzidae)	<i>International Journal of Tropical Insect Science</i> 30: 127-131	-	3
99.	Dhillon M.K. Gujar G.T.	2010	Impact of climate change on arthropod biodiversity and plant protection	<i>International Journal of Environmental Consumerism</i> 6: 35-39	-	0



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100.	Fand B.B. Gautam R.D. Suroshe S.	2010	Suitability of various stages of mealybug, <i>Phenacoccus olenopsis</i> (Homoptera: Pseudococcidae) for development and survival of the solitary endoparasitoid, <i>Aenasiusbambawalei</i> (Hymenoptera: Encyrtidae)	<i>Biocontrol Science and Technology</i> 21(1): 51-55	6.94	24
101.	Fand B.B., Gautam R.D., Chander S., Suroshe S.S.	2010	Life table analysis of the mealybug, <i>Phenacoccus solenopsis</i> under laboratory conditions	<i>Journal of the Entomological Research</i> 34(2): 175-179	3.72	18
102.	Fand B.B., Gautam R.D., Suroshe S.S.	2010	Effect of developmental stage and density of <i>Phenacoccus solenopsis</i> Tinsley (Hemiptera: Pseudococcidae) on the predatory performance of four Coccinellid Predators	<i>Journal of Biological Control</i> 24(2): 110-115	3.96	12
103.	Fand B.B., Gautam R.D., Subhash C., Suroshe S.S.	2010	Life able analysis of the mealybug, <i>Phenacoccus solenopsis</i> Tinsley (Hemi: Pseudococcidae) under laboratory conditions	<i>Journal of the Entomological Research</i> 34(2): 175-179	3.72	18
104.	Gotyal B.S., Srivastava C., Walia S., Jain S.K., Reddy D.S.	2010	Efficacy of wild sage <i>Lantana camara</i> extracts against <i>Cadracautella</i> in stored wheat seeds	<i>Indian Journal of Agricultural Sciences</i> 80(5): 433-36	6.14	4
105.	Gujar G.T., Kalia V., Bunker G.K., Dhurua S.	2010	Impact of different levels of non-Bt cotton refuges on pest populations, bollworm damage and Bt cotton production	<i>Journal of Asia-Pacific Entomology</i> 13: 249-253	-	3
106.	Gupta S., Gajbhiye V.T., Sharma R.K., Gupta R.K.	2010	Dissipation of cypermethrin, chlorpyriphos and profenophos in tomato fruits and soil following application of pre-mix formulations	<i>Environment Monitoring and Assessment</i> DOI: 10.1007/s10661-010-1461-0	7.68	26
107.	Halder J., Srivastava C., Dureja P.	2010	Effect of methanolic extracts of sadabahar, <i>Vincarosea</i> and bottlebrush, <i>Callistemonlan ceolatus</i> alone and their mixtures against neonate larvae of gram pod borer (<i>Helicoverpa armigera</i>)	<i>Indian Journal of Agricultural Sciences</i> 80(9): 820-823	6.14	12



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108.	Halder J., Srivastava C., Dhingra S., Dureja S.	2010	Effect of chloroform extracts of <i>Vinca rosea</i> and <i>Callistemom lanceolatus</i> on feeding behaviour of <i>Helicoverpa armigera</i>	<i>Vegetable Science</i> 37(2): 153-155	3.85	12
109.	Kumar J., Nisar K., Dey D., Shakil N.A., Pankaj, Walia S.	2010	Field appraisal of slow release formulations of acephate against the mustard aphid, <i>Lipaphis erysimi</i>	<i>Indian Journal of Agricultural Sciences</i> 80(7): 636-639	6.14	1
110.	Kumar J., Shakil N.A., Chander S., Walia S., Shukla L., Parmar B.S.	2010	Field appraisal of controlled release formulations of cartap hydrochloride against rice leaf folder (<i>Cnaphalocrocis medinalis</i>)	<i>Indian Journal of Agricultural Sciences</i> 80(5): 405-408	6.14	6
111.	Kumar M.K. Srivastava C.	2010	Interaction of gamma radiation and deltamethrin on resistant and susceptible strain of <i>Trogoderma granarium</i>	<i>Indian Journal of Agricultural Sciences</i> 80(12): 60-63	6.14	1
112.	Kumar M.K., Srivastava C., Garg A.K.	2010	<i>In vitro</i> selection of deltamethrin resistant strain of <i>Trogoderma granarium</i> and its susceptibility to insecticides	<i>Annals of Plant Protection Sciences</i> 18(1): 26-30	3.65	5
113.	Mahesh P., Gautam R.D., Gautam S., Yadav B.	2010	Synomonal influence of cotton varieties in vegetative phase on the egg parasitoid, <i>Trichogramma</i> spp. (Trichogrammatidae: Hymenoptera)	<i>Pusa AgriScience</i> 33: 20-28	2.20	0
114.	Mondal A., Walia S., Srivastava C., Kumar B., Kumar J.	2010	Synthesis and insecticidal activity of 30 Karanj Ketone oxime and ester derivatives against mustard aphids (<i>Lipaphis erysimi</i>)	<i>Pesticide Research Journal</i> 22(1): 39-43	4.16	2
115.	Nair R., Kalia V., Aggarwal K.K., Gujar G.T.	2010	Inheritance of Cry1Ac resistance and associated biological traits in the cotton bollworm, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae)	<i>Journal of Invertebrate Pathology</i> 104: 31-38	8.11	13
116.	Parveen S., Khokhar S., Usmani M.K., Ramamurthy V.V.	2010	Bionomics of <i>Scutelleraperplexa</i> (Hemiptera: Scutelleridae) a sucking pest of <i>Jatropha</i> with description of immature stages	<i>Entomological News</i> 121(5): 401-408	6.45	1



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117.	Ramprasad B, Singh V.S., Chander S.	2010	Role of silica in varietal resistance against rice leaf folder.	<i>Indian Journal of Entomology</i> 72: 195-201	4.30	0
118.	Shakil N.A., Pandey A., Singh M.K., Kumar J., Awasthi S.K., Pankaj, Srivastava C., Singh M.K., Pandey R.P.	2010	Synthesis and bioefficacy of new 3-substituted-3, 4-dihydro-1, 3-benzoxazines	<i>Journal of Environmental Science and Health Part B</i> 45(2): 108-115	7.20	9
119.	Shanika J., Thomas A., Kar A., Ramamurthy V.V.	2010	Host correlated morphometric variations in the populations of <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae)	<i>Oriental Insects, USA</i> 44: 193-204	6.27	7
120.	Shrestha B.B., Poudel A., Karki J.K.C.D., Gautam R.D., Jha P.K.	2010	Fortuitous biological control of <i>Parthenium hysterophorus</i> by <i>Zygogramma bicolorata</i> in Nepal	<i>Journal of Natural History Museum</i> 25: 333-338		2
121.	Singh S.K. Ramamurthy V.V.	2010	Chorionic microsculpturing as a diagnostic character for species identification of fruit flies (Diptera: Tephritidae)	<i>Entomological News</i> 121(1): 91-94	6.45	1
122.	Sinha S.R. Sharma R.K.	2010	Effect of insecticides on insect pests of brinjal	<i>Annals of Plant Protection Sciences</i> 18(1): 82-85	3.65	3
123.	Sinha S.R., Gupta R.K., Gajbhiye V.T., VishwaNath	2010	Bioefficacy and persistence of indoxacarb on <i>Solanum melongena</i>	<i>Annals of Plant Protection Sciences</i> 18(1): 223-224	3.65	4
124.	Gautam S., Singh A.K., Gautam R..D	2010	Olfactory responses of green lacewings, <i>Chrysoperla</i> sp. (<i>carnea</i> group) and <i>Mallada desjardinsi</i> on mealybug, <i>Phenacoccus solenopsis</i> (Homoptera: Pseudococcidae) fed on cotton	<i>Acta Entomologica Sinica</i> 53(4): 497-507		4
125.	Gautam S., Maruthadurai R., Gautam R.D.	2010	Power packed green lacewing feed (PPGF), its shelf life and effect on reproductive potential of <i>Mallada desjardinsi</i> (Navas) (Neuroptera: Chrysopidae)	<i>Journal of Biological Control</i> 24(3): 227-230	3.96	12
126.	Sujithra M., Chander S., Ravi G.	2010	Simulation of <i>Nilaparvata lugens</i> damage in rice	<i>Annals of Plant protection Sciences</i> 18(2): 315-322	3.65	1



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127.	Trang T.T.K., Dey D.	2010	Electroantennogram responses of <i>Apanteles angaleti</i> Muesebeck, a parasitoid of <i>Pectinophora gossypiella</i> to synomonal compounds of cotton	<i>Omonrice</i> 17: 71-79	-	1
128.	Upadhayay A., Gopal M., Srivastava C., Pandey N.D.	2010	Isoxazole derivatives as a potential insecticide for managing <i>Callosobruchus maculatus</i>	<i>Journal of Pesticide Science</i> 35(4): 464-469	6.72	9
129.	Yadav DS, Chander S	2010	Simulation of rice planthopper damage for developing decision support tools	<i>Crop Protection</i> 29: 267-276	7.49	9
130.	Yadav D.S., Chander S., Selvaraj K.	2010	Agro-ecological zoning of brown planthopper (<i>Nilaparvatalugens</i>) incidence on rice (<i>Oryza sativa</i>)	<i>Journal of Scientific and Industrial Research</i> 69: 818-822	6.50	8
131.	Abbaszadeh G., Dhillon M.K., Srivastava C., Gautam R.D.	2011	Effect of climatic factors on bioefficacy of biopesticides in insect pest management	<i>Biopesticides International</i> 7(1): 1-14	4.35	0
132.	Akhtar M.S., Dey D., Usmani M.K.	2011	Redescription of <i>Diaeretiella rapae</i> (M'Intosh) (Hymenoptera: Braconidae: Aphidiinae) with morphological variability of several populations from India	<i>Munis Entomology & Zoology</i> 6(1): 194-203	-	0
133.	Akhtar M.S., Khan F.R., Ramamurthy V.V.	2011	Description of new species of the genus <i>Ephedrus</i> (Hymenoptera: Braconidae: Aphidiinae) from India with an up to date checklist	<i>Pan Pacific Entomologist</i> 87(2): 98-105	6.62	0
134.	Akhtar M.S., Ramamurthy V.V.	2011	A new species of <i>Habrobracon</i> Ashmead (Hymenoptera: Braconidae) with notes on Indian species	<i>Oriental Insects</i> 45(2-3): 194-201	6.27	0
135.	Asokan R., Rebijith K.B., Singh S.K., Sidhu A.S., Siddharthan K.S., Praveen K., Ellango R., Ramamurthy V.V.	2011	Molecular Identification and phylogeny of <i>Bactrocera</i> species (Diptera: Tephritidae)	<i>Florida Entomologist</i> 94(4): 1026-1035	7.0	23
136.	Bhoopathi R., Gautam S., Gautam R.D., Chander S.	2011	Determination of key mortality factor of <i>Zygogramma bicolorata</i>	<i>Journal of Biological Control</i> 25(2): 127-133	3.96	2



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137.	Bilashini Y., Lokeshwari R.K., Singh T.K., Gautam R.D.	2011	Host range of <i>Zygogramma bicolorata</i>	<i>Annals of Plant protection Sciences</i> 19(2): 507-508	3.65	
138.	Hamarthi S.K., Sharma H.C., Sahrawat K.L., Narasu L.M., Dhillon M.K.	2011	Physico-chemical basis of resistance to shoot fly, <i>Atherigona occatain</i> sorghum, <i>Sorghum bicolor</i>	<i>Journal of Applied Entomology</i> 135(6): 446-455	2.87	13
139.	Dhillon M.K., Gujar G.T., Kalia V.	2011	Impact of Bt cotton on insect biodiversity in cotton ecosystem in India	<i>Pakistan Entomologist</i> 33(2): 161-165	-	9
140.	Dhillon M.K., Sharma H.C.	2011	Effect of mating and parasitism regimes on certain biological parameters of Campoletischloridae	<i>Indian Journal of Experimental Biology</i> 49: 786-790	6.84	3
141.	Dhurua S., Gujar G.T.	2011	Field-evolved resistance to Bt toxin Cry1Ac in Pink bollworm, <i>Pectinophora gossypiella</i> (Saunders) (Lepidoptera: Gelechiidae) from India	<i>Pest Management Science</i> 67: 898-903	8.69	148
142.	Gautam R.D. Mahapatro G.K.	2011	Waging Biological War Against the Killer Weed Parthenium	<i>Biocontrol News and Information</i> 32(1): 7-8 (From UK)	-	0
143.	Jena A., Vidyarthi A.S., Ramani R., Ramamurthy V.V.	2011	An illustrated diagnostics of lac insect <i>Kerria lacca</i> (Kerr) as exemplified through advanced staining and microscopy techniques	<i>Indian Journal of Entomology</i> 73(3): 235-242	4.30	1
144.	Jha A.N., Srivastava C., Chandra N.	2011	Weight loss and population build up of <i>Callosobruchus</i> spp. Complex in green gram cultivars	<i>Indian Journal of Entomology</i> 73(3): 287-289	4.30	0
145.	Jha A.N., Srivastava C., Chandra N.	2011	Screening of greengram (<i>Vignaradiata</i>) cultivars to three species of pulse beetle (<i>Callosobruchus</i> spp)	<i>Indian Journal of Agricultural Sciences</i> 81(3): 87-90	6.14	2
146.	Joshi S., Menon P., Ramamurthy V.V.	2011	A new eriophyid, <i>Aceria madhucae</i> n. sp. (Acari: Eriophyidae) from India	<i>Annals of Plant Protection Sciences</i> 51(3): 295-301	3.65	0
147.	Lekshmi V.N., Sharma R.K., Sharma K.	2011	Occurance of natural enemies and economics in IPM components for organic farming in Brinjal	<i>Acarologia</i> 19(2): 266-71	-	1



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148.	Lekshmi V.N., Sharma R.K., Sharma K.	2011	Management of major insect pests in brinjal with organic pest management components	<i>Journal of Insect Science</i> 24: 68-74	3.44	
149.	Lodha M.L., Choudhary N.L., Mahapatro G.K., Singh B., Gupta G.P.	2011	Purification and evaluation of antiviral proteins from <i>Bougainvillea xbuttiana</i> , against <i>Helicoverpa armigera</i> (Hübner)	<i>Indian Journal of Agricultural Sciences</i> 81(1): 74-78	6.14	2
150.	Maruthadurai R., Gautam R.D., Archana	2011	Behavioural response of <i>Trichogramma bhilonis</i> Ishii (Hymenoptera: Trichogrammatidae) to Kairomones	<i>Indian Journal of Entomology</i> 73(3): 247-2	4.30	1
151.	Maruthadurai R., Gautam R.D.	2011	Hydrocarbon Profile of the spotted bollworm, <i>Earias vittella</i> (Fab.) and Tobacco caterpillar, <i>Spodoptera litura</i> (Fab.)	<i>Annals of Plant Protection Sciences</i> 19(2): 282-285	3.65	0
152.	Maruthadurai R., Gautam R.D., Mahesh P.	2011	Kairomonal effect of host body washing on the egg parasitoid, <i>Trichogramma brasiliensis</i> (Ashmead) (Hym: Trichogrammatidae)	<i>Journal of Biological Control</i> 25(4): 298-304	3.96	1
153.	Maruthadurai R. Gautam R.D.	2011	Multiplication of green lacewing, <i>Mallada astur</i> (Banks) on frozen grubs of <i>Tribolium castaneum</i> Herbst	<i>Journal of Biological Control</i> 25(1): 18-21	3.96	0
154.	Menon P., Joshi S., Hussain M., Ramamurthy V.V.	2011	A new species of emi-pteroseius (Acari: Otopheidomenidae) on <i>Dysdercus</i> from India	<i>Zootaxa</i> 2800: 53-63	6.91	5
155.	Menon P., Ocha R., Bauchan G., Joshi S., Ramamurthy V.V.	2011	A new genus and species <i>Mangalausbkapus</i> (Acari: Eriophyidae) from India	<i>International Journal of Acarology</i> 37(2): 131-142	6.95	0
156.	Mohanasundaram A., Sharma R.K.	2011	Abundance of pest complex of Okra in relation to abiotic and biotic factors	<i>Annals of Plant Protection Sciences</i> 19(2): 286-90	3.65	0
157.	Mohanasundaram A., Sharma R.K.	2011	Effect of newer pesticide schedules on the population of sucking pests and predators on okra	<i>Pesticide Research Journal</i> 29(1): 55-63	4.16	1



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158.	Muthuswami M. Subramanian S. Gangadhara R. Bharathi M., Gnanam R.	2011	Induction of tolerance to root rot disease in Indian mulberry varieties through In vitro approaches	<i>Sericologia</i> 51(1): 107-117		0
159.	Parveen S., Khokhar S., Usmani M.K. Ramamurthy V.V.	2011	Redescription of <i>Brachyaulax cyaneovitta</i> (Walker) (Heteroptera: Scutelleridae)	<i>Munis Entomology and Zoology</i> 6: 464-468		0
160.	Paul B., Paul S. Khan S.A.	2011	A potential economical substrate for large-scale production of <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> for caterpillar control	<i>Biocontrol Science and Technology</i> 21(11): 1363-1368	6.94	2
161.	Ramesha B. Ramamurthy V.V.	2011	Redescription of genus <i>Barimononychus</i> Pajni and Kohli, 1982 (Coleoptera: Curculionidae) from India	<i>Munis Entomology and Zoology</i> 6(2): 925-928		0
162.	Ramesha B. Ramamurthy V.V.	2011	A study on the Baris from India (Coleoptera: Curculionid ae)	<i>Oriental Insects</i> 45(4): 304-392	6.27	2
163.	Sankar C., Marimuthu R., Saravanan P., Jeyakumar P., Tanwar R.K., Sathyakumar S., Bambawalei O.M., Ramamurthy V.V., Barik A.	2011	Predators and parasitoids of cotton mealy bug <i>Phenacoccusolenopsis</i> Tinsley (Hemiptera: Pseudococcidae) in Perambalur district of Tamil Nadu	<i>Journal of Biological Control</i> 25(3): 242-245	3.96	3
164.	Selvaraj K., Chander S.	2011	<i>Cyaneolytta action</i> (Laporte): A new pest of finger millet in Tamil Nadu	<i>Annals of Plant Protection Sciences</i> 19: 230	3.65	0
165.	Sinha S.R., Nath V.	2011	Management of <i>Leucinodes orbonalis</i> through insecticides in brinjal	<i>Annals of Plant Protection Sciences</i> 19(1): 215-216	3.65	2
166.	Sujithra M., Chander S. Selvaraj K.	2011	Simulation of rice brown planthopper (<i>Nilaparvata lugens</i> (Stal) damage for determining economic injury levels	<i>Journal of Scientific and Industrial Research</i> 70(5): 338-345	6.50	2
167.	Thomas A., Chaubey R. Naveen N.C., Kar A. Ramamurthy V.V.	2011	<i>Leucocephala</i> (Fabaceae): A new host record from India and a comparative study with population from cotton	<i>International Journal of Tropical Insect Science</i> 31(4): 235-241		1



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168.	Thomas A. Ramamurthy V.V.	2011	On the diagnostics of mealybug occurring on cotton, sphericalmealy bug <i>Nipaeococcus viridis</i> (Newstead) (Hemiptera: Pseudococcidae)	<i>Munis Entomology and Zoology</i> 6(1): 455-459 (NR=NA)	-	2
169.	Venkateswarlu V. Sharma R.K. Chander S. Singh S.D.	2011	Population dynamics of major insect pests and their natural enemies in Cabbage	<i>Annals of Plant Protection Sciences</i> 19(2): 272-77	3.65	2
170.	Nath V., Sinha S.R.	2011	IPM in okra through neonicotinoids, insecticides and their mixtures	<i>Annals of Plant Protection Sciences</i> 19(1): 33-36	3.65	4
171.	Rahman Z., Sarma S. Thakur N.S.A., Saikia K. Ramamurthy V.V.	2011	Biodiversity of coleopteran insects associated with ecosystems in north east India- a study	<i>Indian Journal of Entomology</i> 73(2): 171-185	4.30	0
172.	Abbaszadeh G. Srivastava C., Walia S.	2012	Insect growth inhibitory activity of clerodanediterpenoids isolated from <i>Clerodendron infortunatum</i> L. on the cotton bollworm, <i>Helicoverpa armigera</i> (Hubner)	<i>National Academy of Science Letters</i> 35(5): 457-464 DOI: 10.1007/s40009-012-0077-z	6.29	4
173.	Adak T., Kumar J., Dey D. Shakil N.A., Walia S.	2012	Residue and bio- efficacy evaluation of controlled release formulations of imidacloprid against pests in soybean (<i>Glycine max</i>)	<i>Journal of Environmental Science and Health Part B</i> 47(3): 226-231	7.20	7
174.	Arya K., Chander S.	2012	Formulation of decision support tools for management of rice leaf folder, <i>Cnaphalocrocis medianlis</i>	<i>Annals of Plant Protection Sciences</i> 20: 134-139	3.65	1
175.	Bhatnagar A., Somani A.K., Chander S.	2012	Buildup of <i>Myzus persicae</i> and development of mosaics on potato in central India	<i>Potato Journal</i> 39(2): 208-210	4.88	3
176.	Chowdhary A.R., Kumar J., Shakil N.A., Walia S., Srivastava C., Jha A.N.	2012	Evaluation of repellency and oviposition deterrence of anthocyanin and azadirachtin based coloured polymeric seed coats against pest of Soybean	<i>Annals of Plant Protection Sciences</i> 20(1): 42-46	3.65	
177.	Dhillon M.K. Pampapathy G. Wadaskar R. Sharma H.C.	2012	Impact of <i>Bt</i> -transgenic cottons and insecticides on target and nontarget insect pests, natural enemies and seed cotton yield in India	<i>Indian Journal of Agricultural Sciences</i> 82(3): 248-254	6.14	4



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178.	Dhillon M.K. Sharma H.C.	2012	Paradigm shifts in research on host plant resistance to insect pests	<i>Indian Journal of Plant Protection</i> 40(1): 1-11	4.90	2
179.	Gopal M., Srivastava C., Gogoi R., Kumar R., Goswami A.	2012	Addressing Environmental Concern with Nano Pesticides for Sustainable Agriculture	<i>The International Journal of Environmental Sustainability (USA)</i> 8(1): 115-130	-	1
180.	Gupta S., Sharma R.K. Gajbhiye V.T., Gupta R.K.	2012	Persistence of insecticides in ready- mix formulations and their efficacy against <i>Lipaphis erysimi</i> (kalt) in cauliflower	<i>Environment Monitoring & Assessment</i> DOI: 10.1007/s10661-012-2692-z	-	1
181.	Halder J., Srivastava C., Swaran D., Dureja P.	2012	Effect of essential oils on feeding, survival, growth and development of third instar larvae of <i>Helicoverpa armigera</i> Hubner	<i>National Academy of Science Letters</i> DOI: 10.1007/s40009-012-0043	6.29	5
182.	Kalia V., Yadav B.	2012	Morphometrics of honey bee (<i>Apis mellifera</i> L.) population from northern India	<i>Indian Journal of Entomology</i> 74: 148-153	6.14	0
183.	Kalaisekar A., Ramamurthy V.V., Patil J.V., Dhandapani A., Thakur A.N.S.	2012	Multivariate morphometrics of elytral colour polymorphism in seven-spotted ladybird beetle, <i>Coccinella septempunctata</i> L. (Coleoptera: Coccinellidae)	<i>Current Science</i> 102, No.10, 25: 1418-1425	6.93	6
184.	Khan M.A., Paul B., Paul S., Aggarwal C.	2012	Bioefficacy of <i>Bacillus thuringiensis</i> subspecies and strains against <i>Spilarctia obliqua</i> (Walker)	<i>Annals of Plant Protection Sciences</i> 20(2): 361-364	3.65	2
185.	Khurana J.M., Magoo D., Aggarwal K., Aggarwal N., Kumar R., Srivastava C.	2012	Synthesis of novel 12-aryl-8, 9,10,12-tetrahydrobenzo[a] xanthene-11-thiones and evaluation of their biocidal effects	<i>European Journal of Medicinal Chemistry</i> 58: 470-477	9.45	14
186.	Kumar R., Nair K.K., Verma S., Gogoi R., Singh P.K., Srivastava C., Alpana, M. Gopal	2012	Developing Nanosulphur for mitigation of agricultural pests for better crop health	<i>International Journal of Applied Agricultural Research</i> 7(2): 87-90		0
187.	umelachew M.L., Najam A., Shakil J.K., Singh M.K., Srivastava C.	2012	Bio-efficacy evaluation of nanoformulations of β -cyfluthrin against <i>Callosobruchus maculatus</i> (Coleoptera: Bruchidae)	<i>Journal of Environmental Science and Health Part B</i> 47: 687-691	7.20	0



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188.	Mahendiran G. Ramamurthy V.V.	2012	Redescription of two species of genus <i>Dermatoxenus</i> Marshall (Entiminae: Curculionidae: Coleoptera) from India	<i>The Bioscan</i> 7(2): 241-246	4.57	0
189.	Mathur V., Tytgat T.O.G., Graaf RMde, Kalia V., Reddy A.S., Vet L.E.M., van Dam N.M.	2012	Dealing with double trouble: consequences of single and double herbivory in <i>Brassica</i>	<i>Juncea Chemoecology</i> (8 November 2012), pp. 1-12, http://dx.doi:10.1007/s00049-012-0120-z		7
190.	Meena R.K., Gouthami K.K.G., Alpana, Gujar G.T., Kaur S.	2012	Screening of <i>Bacillus thuringiensis</i> Isolates Recovered from Diverse Habitats in India for the Presence of <i>cry1A</i> -type Genes and Cloning of a <i>cry1Ac33</i> Gene Toxic to <i>Helicoverpa armigera</i> (American Bollworm)	<i>Asian Journal of Biotechnology</i> 4: 53-69		0
191.	Meshram N.M. Ramamurthy V.V.	2012	A new deltocephaline species of genus <i>Scaphoideus</i> (Hemiptera: Cicadellidae: Athysanini) with redescription of <i>Scaphoideusharlanifrom</i> India	<i>Oriental Insects</i> 46(2): 153-162	6.27	2
192.	Meshram N.M., Ramamurthy V.V.	2012	Description of new species of the genus <i>Krisna</i> (Hemiptera: Cicadellidae: Iassinae) from India	<i>Florida Entomologist</i> 95(2): 374-380	7.00	
193.	Mirfakhraie Shahram Dey D.	2012	Diversity of Hymenoptera associated with <i>Pieris</i> spp. (Pieridae: Lepidoptera) – I (Chalcidoidea)	<i>Journal of Entomological Research</i> 36(3): 219- 245	3.72	0
194.	Mohanasundaram A. Sharma R.K. Chander S.	2012	Simple, random and sequential sampling plan for okra fruit borer, <i>Earias vittella</i> F.	<i>Indian Journal of Entomology</i> 74: 54-57	4.30	0
195.	Mohanasundaram A. Sharma R.K. Sharma K.	2012	Eco- friendly management of major insect pests of okra (<i>Abelmoschus esculentus</i>) with intercropping and newer molecules	<i>Indian Journal of Plant Protection</i> 40(1): 32-37	4.90	
196.	Mohana Sundaram A. Sharma R.K., Chander S.	2012	Simple random and sequential sampling plan for okra fruit borer, <i>Eariasvittella</i> F.	<i>Indian Journal of Entomology</i> 74: 54-57	4.30	0



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197.	Pramanik A., Dey D., Kumar A.	2012	Redescription of <i>Diaeretiellarapae</i> (McIntosh) (Hymenoptera: Braconidae: Aphidiinae) with emphasis on morphometrics	<i>Journal of Entomological Research</i> 36(1): 145-149	3.72	3
198.	Pramanik A., Dey D.	2012	Influence of weather parameters on population dynamics of <i>Lipaphis erysimi</i> (Kaltenbach) (Hemiptera: Aphididae) and its parasitoid <i>Diaretiella rapae</i> (McIntosh) (Hymenoptera: Braconidae) in mustard	<i>Journal of Entomological Research</i> 36(4): 305-308	3.72	1
199.	Prasannakumar N.R., Chander S., Pal M.	2012	Assessment of impact of climate change with reference to elevated CO ₂ on rice brown planthopper, <i>Nilaparvata lugens</i> (Stal.) and crop yield	<i>Current Science</i> 103(10): 1201-1205	6.93	10
200.	Raghav D.K., Rajvanshi S.K., Sharma K.	2012	Management of stored pest <i>Sitophilus oryzae</i> with botanicals	<i>Annals of Plant Protection Sciences</i> 20(1): 145-147	3.65	2
201.	Rajna S., Chander S.	2012	Spatial distribution of rice planthoppers and leaf folder and their predators	<i>Indian Journal of Entomology</i> 74(3): 220-228	4.30	1
202.	Ramesha B. Ramamurthy V.V.	2012	Taxonomic studies on the genus <i>Athesapeuta</i> (Coleoptera: Curculionidae: Baridinae) from India with description of three new species	<i>Psyche</i> . Online Article Id. 604087 DOI: 10.1155/2012/604087	-	0
203.	Ramesha B. Ramamurthy V.V.	2012	The genus <i>Mecobaris</i> Marshall (Coleoptera: Curculionidae: Baridinae) from India with description of one new species	<i>Pan Pacific Entomologist</i> 88(1): 22-34	6.62	0
204.	Ramesha B. Subrahmanyam B. Srinivasan I.M., Santha	2012	In vivo and in vitro effect of <i>Acacia nilotica</i> seed proteinase inhibitors on <i>Helicoverpa armigera</i> (Hübner) larvae	<i>Journal of Biosciences</i> 37(2): 269-276	8.06	11
205.	Chowdhary A.R. Kumar J., Shakil N.A., Walia S., Srivastava C., Jha A.N.	2012	Evaluation of repellency and oviposition deterrence of anthocyanin and azadirachtin based coloured polymeric seed coats against pest of Soybean	<i>Annals of Plant Protection Sciences</i> 20(1): 42-46	3.65	0



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206.	Selvaraj K. Chander S. Sujithra M.	2012	Determination of multi-species economic injury levels for rice insect pests	<i>Crop Protection</i> 32: 150-160	7.49	6
207.	Shahnawazul I., Kundu S., Shoran J., Sabir N., Sharma K., Farooqi, Samir, Singh R., Agarwal H.O., Chaturvedi K.K., Sharma R.K., Sharma A.K.	2012	Selection of wheat (<i>Triticumaestivum</i>) variety through expert system	<i>Indian Journal of Agricultural Science</i> 82(1): 39-43	6.14	1
208.	Sharma K., Samyal A.	2012	Genetic variability of Wheat and management with medicinal plant powders against khapra beetle	<i>Annals of Plant Protection Sciences</i> 20(1): 231-233	3.65	1
209.	Swami D., Paul B.	2012	Effect of carriers on the efficacy of <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> (HD-1) formulations	<i>Journal of Biological Control</i> 26(3): 245-250	3.96	0
210.	Baskaran V., Sharma K.	2013	Effect of different salt mixtures on holidic diet on growth, development and reproductive potential of oriental fruit fly, <i>Bactrocera dorsalis</i>	<i>Journal of Eco-Friendly Agriculture</i> 8: 156-161	3.10	0
211.	Chandran N., Dey D.	2013	Redescription of <i>Trispilotilla indostana</i> (Smith) (Mutilidae: Mutillinae: Trogaspidiini)	<i>Journal of Entomological Research</i> 37(3): 269-272	3.72	-
212.	Chandran N., Dey D.	2013	Review of species of <i>Kurzenkotilla Lelej</i> (Mutilidae: Mutillinae) from India	<i>The Bioscan</i> 8(1): 289-292, 2013 (Supplement on Taxonomy)	4.57	0
213.	Dhillon M.K., Davis R., Sharma H.C.	2013	Expression of cry genes from <i>Bacillus thuringiensis</i> : Influence on biochemical composition of transgenic cotton	<i>Indian Journal of Agricultural Sciences</i> 83: 1388-1391	6.14	-
214.	Dhillon M.K., Sharma H.C.	2013	Comparative studies on the effects of Bt-transgenic and non-transgenic cotton on arthropod diversity, seed cotton yield and bollworms control	<i>Journal of Environmental Biology</i> 34: 67-73	6.56	15



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215.	Fand B.B., Gautam R.D., Suroshe S.S.	2013	Fortuitous Biological Control of Insect Pests and Weeds: A Critical Review	<i>The Bioscan</i> 8(1): 1-10	4.57	11
216.	Anand G.K.S., Sharma R.K., Shankarganesh K., Sinha S.R., Sharma D.K.	2013	Efficacy of newer insecticides against sucking insect pests of okra	<i>Indian Journal of Plant Protection</i> 41(2): 113-115	4.90	2
217.	Kalia V.K., Sethi T., Gujar G.T.	2013	Susceptibility of Brinjal Shoot and Fruit Borer, <i>Leucinodes orbonalis</i> (Guenée) to <i>Bacillus thuringiensis</i> and its Cry Toxins	<i>Biopesticides International</i> 9(1): 88-92	4.35	0
218.	Karrupaiah V. Srivastava C.	2013	Relative toxicity of newer insecticide molecule against <i>Spodoptera litura</i>	<i>Annals of Plant Protection Sciences</i> 21(2): 305-308	3.65	5
219.	Sharma K., Rao N.S. Islam S.N.	2013	Joint action studies between fraction IX of ethyl acetate extract of custard apple and Warehouse neem-1 (Azadirachtin – 1500 ppm) in controlling Rice moth, <i>Corcyra cephalonica</i> and khapra beetle, <i>Trogoderma granarium</i> in storage	<i>Pesticide Research Journal</i> 25(1): In Press (Accepted)	4.16	0
220.	Kumar P., Singh S., Dutta D., Singh N., Sharma G., Ganguly S., Kalia V., Nain L.	2013	Extracellular novel metalloprotease from <i>Xenorhabdus indica</i> and its potential as an insecticidal agent	<i>Journal of Microbiology and Biotechnology</i> pp. 1-20, http://DOI: 10.4014/jmb.1306.06062	7.78	5
221.	Kumari P., Kant S., Shazmira Z., Banerjee N. Mahapatro G.K., Neera Bhalla Sarin	2013	A novel insecticidal Goel protein from <i>Xenorhabdus-nematophila</i> confers insect resistance in tobacco	<i>Transgenic Research</i> (DOI: 10.1007/s11248-013-9734-3)	8.32	7
222.	Mahapatro G.K., Kumar S.	2013	Reporting first time <i>Heterotermes indicola</i> (Isoptera: Rhinotermitidae) from Delhi	<i>Indian Journal of Agricultural Science</i> 83(4): 459-462	6.14	-
223.	Mahapatro G.K., Panigrahi M.	2013	The case for banning endosulfan	<i>Current Science</i> 104(11): 1476-1479	6.93	6



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224.	Mahapatro G.K., Das T.K., Irani M., Gajbhiyes V.T.	2013	Screening of some termiticides against termites in wheat agro-ecosystem	<i>Indian Journal of Entomology</i> 75	4.30	18
225.	Mathur V., Tytgat T.O.G., Graaf RMde, Kalia V., Reddy A.S., Vet LEM, vanDam N.M.	2013	Dealing with double trouble: consequences of single and double herbivory in <i>Brassica</i>	<i>Juncea. Chemoecology</i> 23: 71-82 [SCI: 1.556]	-	7
226.	Meshram N.M. Ramamurthy V.V.	2013	Description of a new eucanthine leafhopper species <i>Sophoniachandrai</i> sp. nov., with new record of <i>Chudaniaaxona</i> (Hemiptera: Cicadellidae) from India	<i>Zootaxa</i> 3717(2): 224-230	6.91	1
227.	Mirfakhraie S., Dey D.	2013	Taxonomic notes on common natural enemies of <i>Pieris brassicae</i> Linnaeus (Lepidoptera: Pieridae) belonging to Hymenoptera	<i>Annals of Entomology</i> 31(1): 35-45	3.35	0
228.	Nair R., Kalia V., Aggarwal K.K., Gujar G.T.	2013	Variation in the cadherin gene sequence of Cry1Ac susceptible and resistant <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) and the identification of mutant alleles in resistant strains	<i>Current Science</i> 104(2): 215-223	6.93	10
229.	Naveen N.C., Kumar D., Wasi A., Chaubey R., Subramanian S., Raman R.	2013	A model study integrating time dependant mortality in evaluating insecticides against <i>Bemisia tabaci</i>	<i>Indian Journal of Entomology</i> 74(4): 384-387	4.30	0
230.	Pandi G., Paul B., Shah V., Shankarganesh K.	2013	Relative toxicity of insecticides against coccinellid predator, <i>Cheilomenussex-maculata</i>	<i>Annals of Plant Protection Sciences</i> 21(1): 17-20	3.65	0
231.	Paul S., Paul B., Khan M.A., Aggarwal C., Thakur J.K., Rathi M.S.	2013	Effects of lindane on lindane-degrading <i>Azotobacter chroococcum</i> ; evaluation of toxicity of possible degradation product(s) on plant and insect	<i>Bull Environmental Contamination and Toxicology</i> 90(3): 351-356	-	0
232.	Prasannakumar N.R., Chander S., Sahoo R.N.	2013	Characterization of brown planthopper damage on rice crop through hyper spectral remote sensing under field condition	<i>Phytoparasitica</i> 42: 387-395 DOI: 10.1007/s12600-013-0375-0	6.90	6



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233.	Prasannakumar N.R., Chander S., Sahoo R.N., Gupta V.K.	2013	Assessment of brown planthopper (Nilaparvatalugens) damage in rice using hyper-spectral remote sensing. <i>International</i>	<i>Journal of Pest Management</i> 59(3): 180-188 DOI: 10.1080/ 09670874. 2013.808780	6.96	8
234.	Rajna S., Chander S.	2013	Sequential sampling plan for rice planthoppers with incorporation of predator effect	<i>Journal of Biological Control</i> 27(1): 10-17	3.96	1
235.	Rajna S., Chander S.	2013	Predator diversity vis-à-vis pest incidence in rice ecosystem	<i>Indian Journal Entomology</i> 75(2): 104-108	4.30	
236.	Suroshe S.S., Babasaheb G.R.D., Fand. B.	2013	Natural Enemy Complex Associated with the Mealybug, <i>Phenacoccus solenopsis</i> Tinsley (Hemiptera: Pseudococcidae) Infesting Different Host Plants in	<i>India. Journal of Biological Control</i> 27(3): 204-210	3.96	6
237.	Shah V., Paul B. Pandi G. Shankarganesh K.	2013	Biology and Predatory potential and biology of Green lacewing, <i>Chrysoperla</i> spp on different aphid spp.	<i>Annals of Plant Protection Sciences</i> 21(1): 245-249	3.65	0
238.	Shankarganesh K., Paul B., Gautam R.D.	2013	Studies on ecological safety of insecticides to egg parasitoids, <i>Trichogramma chilonis</i> Ishii and <i>Trichogramma brasiliensis</i> (Ashmead)	<i>National Academy Science Letters, India</i> 36(6): 581-585	6.29	3
239.	Sridhar J., Sharma K.	2013	Effect of different combinations of antimicrobial agents on biological fitness and fecundity of tobacco caterpillar (<i>Spodoptera litura</i>) (Lepidoptera: Noctuidae) reared on meridic diet	<i>Indian Journal of Agricultural Sciences</i> 83: 708-716	6.14	0
240.	Sujay A.G.K., Sharma R.K., Shankarganesh D.K.	2013	Efficacy of novel insecticides against leaf hopper and whitefly infesting brinjal and its effects on coccinellids	<i>Pesticide Research Journal</i> 25(1)	4.16	0



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241.	Sujithra M., Chander S.	2013	Simulation of rice brown planthopper, <i>Nilaparvata lugens</i> population and crop-pest interactions to assess climate change impact	<i>Climatic Change</i> 121: 331-347 DOI: 10.1007/s10584-013-0878-1	9.43	6
242.	Vergheese A., Jayanthi K.P.D., Sreedevi K., Devi S.K., Pinto V.	2013	A quick and non-destructive population estimate for the weaver ant, <i>Oecophylla maragdina</i> Fab. (Hymenoptera: Formicidae)	<i>Current Science</i> 104(5): 641-646	6.93	2
243.	Vergheese A, Shivananda T.N., Jayanthi K.P.D., Sreedevi K.	2013	Frank Milburn Howlett (1877-1920) : discoverer of the Pied Piper's lure for the fruit flies (Tephritidae: Diptera)	<i>Current Science</i> 105(2): 260-262	6.93	1
244.	Jha A.N., Srivastava C., Tyagi S., Dhar S.	2014	Relative susceptibility of wheat to <i>Ephhestia cautella</i> (WLK) and <i>Corcyra cephalonica</i> (STNT)	<i>Indian Journal of Entomology</i> 76(1): 76-79	4.30	0
245.	Jha A.N., Srivastava C., Dwivedi V.	2014	Effect of infestation of Rice weevil (<i>Sitophilus oryzae</i> L.)	<i>Indian Journal of Entomology</i> 76(1): 74-76	4.30	0
246.	Abbaszadeh G. Srivastava C., Walia S.	2014	Insecticidal and antifeedant activities of clerodane diterpenoids isolated from the Indian bhant tree, <i>Clerodendron infortunatum</i> , against the cotton bollworm, <i>Helicoverpa armigera</i>	<i>Journal of Insect Science</i> 14: 29	7.03	10
247.	Gotyal B.S. Srivastava C., Walia S.	2014	Fumigant Toxicity of essential oil from <i>Lantana camara</i> against Almond moth, <i>Cadra cautella</i> (Walker)	<i>Journal of Essential Oil Bearing Plants</i> DOI: 10.1080/0972060X.2014.956806	6.31	0
248.	Gotyal B.S. Srivastava C., Walia S.	2014	Toxicity of Lantana camara Leaf Extracts Against Almond Moth, <i>Cadra cautella</i> (Walker)	<i>Proceedings of National Academy of Sciences, India Sect. B Biol. Sci.</i>	6.00	0
249.	Bhattacharya B., Sharma A.K., Gawande S.P., Sreedevi K.	2014	Occurrence of Lepidiota sp. (Coleoptera: Scarabaeidae) in western Assam	<i>Current Biotica</i> 8(2): 195-196	3.68	1
250.	Bhuyan P.M., Sandilya S.P., Gogoi D.K., Neog K., Subramanian S.	2014	Isolation and characterization of gut-bacteria of muga silkworm (<i>Antheraea assamensis</i> Helfer) collected from different localities of Assam	<i>Sericologia</i> 54(1): 28-35	-	0



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251.	Chaitanya T., Sreedevi K., Krishna M.T., Prasanthi L.	2014	Biology and population dynamics of <i>Helicoverpa armigera</i> (Hubner) in <i>Cajanus cajan</i> (L.) Millsp	<i>Annals of Plant Protection Sciences</i> 22(2): 287-290	3.65	0
252.	Chander S., Husain M., Pal V., Pathak H., Singh S.D., Harit R., Kumar V.	2014	Effect of sowing date and cultivars on aphid infestation in wheat with climate change adaptation perspective	<i>Proc. National Academy Sciences India Section B: Biological Sciences</i> 86(2): 315–323 DOI 10.1007/s40011-014-0439-z	6.00	0
253.	Aggarwal C., Paul S., Paul B., Khan M.A., Tyagi S.P.	2014	A modified semi-synthetic diet for bioassay of non-sporeforming entomopathogenic bacteria against <i>Spodoptera litura</i>	<i>Biocontrol Science and Technology</i> 24(10): 1202–1205	6.94	2
254.	Das T.K., Bhattacharyya R., Sudhishri S., Sharma A.R., Sharma R.K., Bhatia A., Pathak H.	2014	Conservation Agriculture in an irrigated cotton- wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability	<i>Field Crops Research</i> 158: 24-33	8.98	13
255.	Dhillon M.K., Kumar S., Gujar G.T.	2014	A common HPLC-PDA method for aminoacid analysis in insects and plants	<i>Indian Journal of Experimental Biology</i> 52: 73-79	6.84	4
256.	Gorashi N.E., Tripathi M., Kalia V., Gujar G.T.	2014	Identification and characterization of the Sudanese <i>Bacillus thuringiensis</i> and related bacterial strains for their efficacy against <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) and <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae)	<i>Indian Journal of Experimental Biology</i> 52: 637-649	6.84	7
257.	Halder J., Rai A.B., Dey D.	2014	Is <i>Apanteles paludicole</i> Cameron, 1909 a limiting biotic factor for minor pest status of <i>Sphenarches caffer</i> (Zeller)?	<i>Journal of Biological Control</i> 28(2)	3.96	1
258.	Choudhary J.S., Srivastava C., Walia S.	2014	Screening for Antifeedant activity of <i>Gymnema sylvestre</i> leaf extracts against <i>Spodoptera litura</i> F. (Lepidoptera: Noctuidae)	<i>The Bioscan</i> 9(2): 633-638	4.57	3



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259.	Jaiswal A.K., Singh J.P.	2014	A review of lac production in India during XI plan	<i>The Indian Forester</i> 140(9): 907-920	4.27	0
260.	Jaiswal A.K., Singh J.P.	2014	New record of <i>Coccinella-transversalis</i> F. on bushy lac host, <i>Flemingia semialata</i>	<i>Indian Journal of Entomology</i> 76(4): 359-360	4.30	0
261.	Jaiswal A.K., Singh J.P., Patamajhi P.	2014	Residual toxicity of certain newer pesticides on <i>Eupelmusta chardia</i> – A parasitoid of lac insect, <i>Kerrialacca</i> (Kerr)	<i>National Academy Science Letters</i> 37(1): 97-101	6.29	0
262.	Kalia V., Sharma G., Shapiro-Ilan D.I., Ganguly S.	2014	Biocontrol potential of <i>Steinernema thermophilum</i> and its symbiont <i>Xenorhabdus indica</i> against lepidopteran pests: virulence to egg and larval stages	<i>Journal of Nematology</i> 46(1): 18-26	7.08	1
263.	Nair K.K., Siddiqi W.A., Kumar R., Niwas R., Gogoi R., Srivastava C., Gopal M.	2014	Sensitive and rapid determination of elemental nano-sulfur/sulfur by liquid chromatography	<i>Journal of Separation Science</i> 37(9-10): 1126-1133	8.74	4
264.	Reddy K.P., Sharma K. Singh S.	2014	Attractancy potential of culturable bacteria from the gut of peach fruit fly, <i>Bactrocera zonata</i> (Saunders)	<i>Phytoparasitica</i> 42: 691-698	6.90	3
265.	Mahapatro G.K., Panigrahi M.	2014	Endosulfan issue: science verses conscience	<i>Current Science</i> 106(2): 152-155	6.93	2
266.	Meshram N.M.	2014	Three new species of the genus <i>Scaphoideus</i> (Hemiptera: Cicadellidae) with notes on the female of <i>Scaphoideus varna</i> from India	<i>Zootaxa</i> 3754(2): 185-194	6.91	1
267.	Meshram N.M., Ramamurthy V.V.	2014	A new species of <i>Cofana</i> associated with grasses from India (Hemiptera: Cicadellidae: Cicadellinae)	<i>Acta Entomologica Musei Nationalis Pragae</i> 54(1): 57-64	6.66	0
268.	Shahram M., Dey D.	2014	Record of hymenopterous natural enemies of <i>Pieris brassicae</i> (Pieridae: Lepidoptera) from India	<i>Vegetable Science</i> 41(2)	3.85	0
269.	Elbashir M.I., Paul B., Shankarganesh K., Gautam R., Sharma P.	2014	Pathogenicity of Indian isolates of entomopathogenic fungi against important insect pests and natural enemies	<i>Indian Journal of Entomology</i> 76(1): 37-43	4.30	2



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270.	Navatha L., Sreedevi K. Naidu M.V.S.	2014	Foraging ecology of insect pollinators in safflower (<i>Carthamus tinctorius</i> L.) ecosystem	<i>Annals of Plant Protection Sciences</i> 22(2): 313-316	3.65	1
271.	Nebapure S.M. Srivastava C., Walia S.	2014	Insect Growth Inhibitory Potential of Glory Lily, <i>Gloriosa superba</i> Linn. (Colchicaceae) Against Tobacco Leaf Eating Caterpillar, <i>Spodoptera litura</i> [Fabricius] (Lepidoptera: Noctuidae)	<i>Entomologia Generalis</i> 35(1): 61-74	6.39	1
272.	Lekshmi V., Sharma R.K., Sinha S.R., Sharma K.	2014	Pest succession and population dynamics of major pests and natural enemies in bitter gourd, <i>Mimordica charantia</i> L. in different planting systems	<i>Indian Journal of Entomology</i> 76: 303-307	4.30	0
273.	Shashank P.R., Singh R.K.	2014	Checklist of the Subfamily Plusiinae (Lepidoptera: Noctuidae) from India	<i>Indian Journal of Entomology</i> 76(3): 229-240	4.30	1
274.	Shashank P.R., Ramamurthy V.V.	2014	Redescription of <i>Odontodes aleuca</i> Guenée (Lepidoptera: Euteliidae: Stictopterinae) including intraspecific variation in wing pattern	<i>Entomological News</i> 124(2): 131-138	6.45	1
275.	Pramanik, A., Dey, D.	2014	Revision of genus <i>Sycophilodes</i> Joseph (Epichrysomallinae: Pteromalidae: Chalcidoidea) along with description of a new species from India	<i>Zootaxa</i> 3838(3): 310-322	6.91	1
276.	Prasannakumar N.R., Chander S.	2014	Weather-based brown planthopper prediction model at Mandya, Karnataka	<i>Journal of Agrometeorology</i> 16(1): 126-129	6.15	3
277.	Saini P., Gopal M., Kumar R., Srivastava C.	2015	Development of pyridalyl nanocapsule suspension for efficient management of tomato fruit and shootborer (<i>Helicoverpa armigera</i>)	<i>Journal of Environmental Science and Health Part B</i> 49: 1-8	7.20	-
278.	Punam K., Kant S., Shazmira Z., Mahapatro G.K., Nirupama B., Sarin N.	2014	A novel insecticidal GroEL protein from <i>Xenorhabdus nematophila</i> confers insect resistance in tobacco	<i>Transgenic Research</i> 23: 99-107 DOI: 10.1007/s11248-013-9734-3	8.32	8



S. No.	Author	Year	Title Name	Journal and Volume	NAAS Rating	Citation Index
279.	Reji G., Chander S., Kamble K.	2014	Predictive zoning of rice stem borer damage in southern India through spatial interpolation of weather-based models	<i>Journal of Environmental Biology</i> 35: 923-928	6.56	0
280.	Sagar D., Balikai R.A.	2014	Insecticide Resistance in Cotton leafhopper, <i>Amrasca biguttula biguttula</i> (Ishida) – A Review	<i>Biochemical and Cellular Archives</i> 14(2): 283-294	3.77	0
281.	Sagar D., Balikai R.A.	2014	Toxicity of fipronil and neem formulation against cotton leafhopper, <i>Amrasca biguttula biguttula</i> (Ishida)	<i>International Journal of Agricultural and Statistical Sciences</i> 10: 49-51 (Supplement-1)	4.00	0
282.	Sagar D., Balikai R.A., Biradar D.P.	2014	Influence of varied dosages of nitrogen application on the leafhopper population in Bt cotton under rainfed condition	<i>Research on Crops</i> 15(2): 498-502	5.00	1
283.	Sagar D., Balikai R.A., Bhat R.S.	2014	Molecular and Taxonomic Diversity of Cotton Leafhopper, <i>Amrasca biguttula biguttula</i> (Ishida) in Major Cotton Growing Districts of Karnataka	<i>Vegetos</i> 27(2): 225-228	6.00	0
284.	Satyagopal P.V., Sreedevi K., Prasad S.V.	2014	Constraint analysis of integrated pest management in rice and the strategies to overcome the constraints	<i>Current Biotica</i> 7(4): 306-313	3.68	1
285.	Selvaraj K., Chander S., Prasannakumar N.R.	2014	Determination of thermal constant and development threshold of pink borer, <i>Sesamia inferens</i> Walker	<i>Proceedings National Academy Sciences India Section B: Biological Sciences</i> DOI: 10.1007/s40011-014-0348-1	6.00	1
286.	Shashank P.R., Chakravarthy A.K., Raju B.R., Bhanu K.R.M.	2014	DNA Barcoding of host-associated population of <i>Conogethes punctiferalis</i> (Guénee) (Lepidoptera: Crambidae) reveals occurrence of cryptic species	<i>Applied Entomology and Zoology</i> 49(2): 283-295 (Online first: 10.1007/s13355-014-0248-0)	7.14	8
287.	Shashank PR, Meshram N.M.	2014	Impact factor-driven taxonomy: deterrent to Indian taxonomists?	<i>Current Science</i> 106(1): 10	6.93	1



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288	Singh A.K., Krishnan G.S., Nagarajan M., Vinod K.K., Bhowmick P.K., Atwal S.S., Seth R., Chopra N.K., Chander S., Singh V.P., Prabhu KV, Singh D., Kumar S. and Ravindran G.	2014	Notification of Basmati rice variety Pusa Basmati 1509	<i>Indian Journal of Genetics and Plant Breeding</i> 74(1): 123	6.19	0
289.	Singh J.P., Jaiswal A.K., Monobrullah Md.	2014	Impact of some selected insecticides and bio-pesticides on incidence of predators, parasitoid and productivity of lac insect, <i>Kerrialacca</i> (Kerr)	<i>Indian Journal of Agricultural Sciences</i> 84(1): 64-72	6.14	2
290.	Singh J.P., Jaiswal A.K., Monobrullah Md.	2014	New record of insect pests attacking <i>Schleichera oleosa</i> – a commercial host for culturing lac insect, <i>Kerrialacca</i> (Kerr) from India	<i>Proceeding National Academy Sciences, India Section B: Biological Sciences</i> 84(4): 909-915 (DOI: 10.1007/s40011-013-0301-8)	6.00	0
291.	Sreedevi K., Verghese A.	2014	Field level larval identification of Cerambycid and Buprestid borers	<i>Insect Environment</i> 20(1): 3-5	2.56	0
292.	Sreedevi K., Sakshi T.	2014	Diagnostics in larvae of white grubs (Scarabaeidae: Coleoptera)–Important characters	<i>Indian Journal of Entomology</i> 6(4): 169-172	4.30	
293.	Sreedevi K., Chandel R.S, Pathania M., Stanley J.	2014	Species distribution and larval diagnostic characters of white grub species, <i>Holotrichia longipennis</i> (Blanchard), <i>H. sikkimensis</i> (Brenske) and <i>H. rosettae</i> Frey	<i>Current Biotica</i> 8(2): 151-156	3.68	1
294.	Sreedevi K., Tyagi S., Devi R.S.	2014	Elemental analysis of egg chorion of white grubs belonging to Melolonthinae and Rutelinae (Coleoptera: Scarabaeidae)	<i>Current Biotica</i> 8(1): 42-48	3.68	0
295.	Sreedevi K., Tyagi S., Sharma V.	2014	Species abundance of white grubs associated with sugarcane in Uttar Pradesh	<i>Indian Journal of Entomology</i> 76(3): 241-244	4.30	0



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296.	Anand S.G.K., Sharma R.K., Shankarganesh K.	2014	Evaluation of bio-efficacy and compatibility of biorationals (emamectin benzoate with neem based biopesticide) against fruit borers of brinjal and okra	<i>Indian Journal of Agricultural Sciences</i> 84(6): 746-53	6.14	0
297.	Sujithra M., Chander S.	2014	Seasonal incidence and damage of major insect pests of pigeon pea, <i>Cajanus cajan</i> (L.)	<i>Indian Journal of Entomology</i> 76(3): 202-206	4.30	3
298.	Suroshe S.S., Gautam R.D., Fand B.B.	2014	Safety evaluation of insecticides on adult <i>Aenasius bambawalei</i> Hayat (Hymenoptera: Encyrtidae), a solitary endoparasitoid of the mealybug, <i>Phenacoccus solenopsis</i> Tinsley	<i>Indian Journal of Entomology</i> 76(3): 224-228	4.30	6
299.	Venkateswarulu V., Sharma R.K., Sinha S.R., Sharma K.	2014	Management of insect pests in cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> L.) with border cropping and biopesticides	<i>Journal of Eco-friendly Agriculture</i> 9: 161-165	3.10	0
300.	Adaka, Pradeep, Kumar J., Dey D.	2015	Evaluation of Controlled release formulations of Carbofuran against YMV in Soybean and their residues	<i>Annals of Plant Protection Sciences</i> 23(1): 127-130	3.65	
301.	Aggarwal C., Paul S., Tripathi V., Paul B., Khan M.A.	2015	Chitinase producing <i>Serratia Marcescens</i> for biocontrol of <i>Spodoptera litura</i> (Fab) and studies on its chitinolytic activities	<i>Annals of Agricultural Reseach</i> 36: 132-137	3.02	2
302.	Aggarwal C., Paul S., Tripathi V., Paul B., Khan M.A.	2015	Chitinolytic activity in <i>Serratia marcescens</i> (strain SEN) and potency against different instars of <i>Spodoptera litura</i> (Fab.) with effect of sublethal doses on insect development	<i>Bio-Control</i> 60: 631-640	7.69	2
303.	Bhat M.N., Sardana H.R., Singh D., Srivastava C., Ahmad M.	2015	Evaluation of chemicals and bioagents against <i>Sclerotium rolfsii</i> southern blight of bell pepper (<i>Cap-sicum annum</i>)	<i>Indian Phytopathology</i> 68(1): 97-100	4.59	0
304.	Chander S., Arya K.	2015	Simulation of leaf folder, <i>Cnaphalocrocis medinalis</i> (Guenee), damage on rice for developing decision support tools	<i>International Journal of Pest Management</i> DOI: 10.1080/09670874. 2015. 1088592	6.96	



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305.	Chaubey R., Andrew J., Naveen N.C., Meshram N.M. Ramamurthy V.V.	2015	Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) species complex from Cotton and Leucaena: A comparative study of morphometrics	<i>Entomological News</i> 125(3): 163-173	6.45	0
306.	Dhillon M.K., Chaudhary D.P.	2015	Biochemical interactions for antibiosis mechanism of resistance to <i>Chilo partellus</i> (Swinhoe) in different maize types	<i>Arthropod Plant Interactions</i> 9(4): 373-382		0
307.	Fand B.B., Suroshe S.S.	2015	The invasive mealybug <i>Phenacoccus solenopsis</i> Tinsley, a threat to tropical and subtropical agricultural and horticultural production systems	<i>Crop Protection</i> 69: 34-43	7.49	12
308.	Gupta S., Sharma R.K., Gajbhiye V.T., Gupta R.K.	2015	Residue behaviour of combination formulations of insecticides in/on cabbage and their efficacy against aphids and diamondback moth	<i>Environmental Monitoring and Assessment</i> 187: 4076 DOI: 10.1007/s10661-014-4076-z	7.68	2
309.	Halder J., Rai A.B., Dey D.	2015	Occurrence of <i>Phenacoccus solenopsis</i> (Tinsley) in vegetable ecosystem and host-mediated effect on its dominant parasitoid, <i>Aenaisius bambawalei</i> Hayat	<i>Vegetable Science</i> 42(3): 30-33 (IF 3.72)	3.85	0
310.	Jadhav A., Sreedevi K.	2015	Impact of abiotic factors on foraging behavior of major pollinators in sunflower ecosystem	<i>Asian Journal of Environmental Science</i> 10(1): 1-6	3.13	
311.	Jaiswal A.K., Singh A.K., Singh J.P., Patamajhi P.	2015	Management of pod fly, <i>Melanagromyza obtusa</i> in a bushy lac host, <i>Flemingia semialata</i> for quality seed production	<i>Indian Journal of Entomology</i> 77(3): 278-282 DOI: 10.5958/0974-8172.2015.00057.7	4.30	0
312.	Jaiswal A.K., Singh J.P., Patamajhi P.	2015	Evaluation of flubendiamide against the Lepidopteran predators of the lac insect, <i>Kerrialacca</i> (Kerr)	<i>Proceeding National Academy Sciences, India Section B. Biological Sciences</i> DOI: 10.1007/s40011-015-0534-9	6.00	0



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313.	Kalia V., Yadav B.	2015	Cost-effective mass rearing of the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel) round the year	<i>International Research Journal of Natural and Applied Sciences</i> 2(6): 143-155	0	1
314.	Karuppaiah V, Srivastava C., Subramanian S.	2015	Effect of Host Plants on Insecticide Susceptibility and Detoxification Enzymes Activity in <i>Spodoptera litura</i> Fabricius (Noctuidae: Lepidoptera)	<i>Proceedings National Academy Sciences India Section B: Biological Sciences</i> DOI: 10.1007/s40011-015-0515	6.00	0
315.	Kennedy N., Sharma K., Gujar G.T.	2015	Frequency of alleles conferring resistance to Cry1Ac toxin of <i>Bacillus thuringiensis</i> in population of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) from India	<i>Indian Journal of Experimental Biology</i> (Accepted)		
316.	Kumar R., Nair K.K., Alam M.I., Gogoi R. Pradeep Kumar Singh, Chitra Srivastava, Madhuban Gopal, and Arunava Goswami	2015	Development and Quality Control of Nanohexaconazole as an Effective Fungicide and Its Biosafety Studies on Soil Nitifiers	<i>Journal of Nanoscience and Nanotechnology</i> 15: 1350-1356	7.56	5
317.	Kumar S., Dhillon M.K.	2015	Lipophilic metabolite profiling of maize and sorghum seeds and seedlings, and their pest spotted stem borer larvae: A standardized GC-MS based approach	<i>Indian Journal of Experimental Biology</i> 53: 170-176	6.84	0
318.	Mahapatro G.K.	2015	Ethno-entomology: Termites as food and medicine	<i>Current Biotica</i> 9(1): 5-8	3.68	0
319.	Mahapatro G.K., Jose M.	2015	Role of red-ant, <i>Oecophylla smaragdina</i> (Formicidae: Hymenoptera) in managing tea mosquito bug, <i>Helopeltis</i> species (Miridae: Hemiptera) in cashew	<i>Proceedings National Academy of Science India Section B Biological Sciences</i> DOI: 10.1007/s40011-014-0474-9	6.00	1
320.	Mahapatro G.K., Sachin K.	2015	Review on the incidence and management of coconut termites	<i>Indian Journal of Entomology</i> 77(2): 152-159 DOI: 10.5958/0974-8172.2015.00031.0	4.30	0
321.	Mahapatro G.K., Sreedevi K., Sachin K.	2015	Personal News: Krishna Kumar	<i>Current Science</i> 108(12): 2277-2278	6.93	0



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322.	Mahendran B., Sharma R.K., Sinha S.R., Ahuja D.B.	2015	Effect of age of cauliflower plant on oviposition preference of <i>Spodoptera litura</i>	<i>Indian Journal of Plant Protection</i> 43(3): 299-304	4.90	0
323.	Meena L.K., Dey D.	2015	A taxonomic review of subgenus <i>Andrena</i> (<i>Sauandrena</i>) from India.	<i>Journal of Entomological Research</i> 39(2): 167-74	3.72	0
324.	Meshram N.M., Bose N.S.C., Ramamurthy V.V.	2015	Review of the leafhopper genus <i>Phlogotettix</i> Ribaut (Hemiptera: Cicadellidae: Deltocephalinae) with description of a new species from India	<i>Florida Entomologist</i> 98(1): 229-236	7.00	0
325.	Meshram N.M., Chandra N.S., Bose R., Parveen S.	2015	Two new species of the genus <i>Igerna</i> (Hemiptera: Cicadellidae: Megophthalminae) from India	<i>Zootaxa</i> 3946(2): 241-250	6.91	0
326.	Meshram N.M., Chaubey R.	2015	Two new species of the genus <i>Hishimonus</i> (Hemiptera: Cicadellidae) with a new record from India	<i>Zootaxa</i>	6.91	0
327.	Navatha L., Sreedevi K., Chanmamla G.	2015	Insect visitor/pollinator diversity and abundance in safflower ecosystem	<i>Indian Journal of Entomology</i> 77(2): 192-195	4.30	0
328.	Nebapure S.M., Srivastava C., Walia S.	2015	Antifeedant and insect growth inhibitory activity of seed extracts from Kari hari, <i>Gloriosa superba</i> Linn. (Colchicaceae) against tobacco leaf eating caterpillar, <i>Spodoptera litura</i> (Fabricius) (Lepidoptera: Noctuidae)	<i>Proceedings of National Academy of Sciences India part B Biological Sciences</i> DOI: 10.1007/s40009-014-0343-3	6.00	1
329.	Ningthoujam K., Sharma K., Gujar G.T.	2015	Inheritance of resistance to <i>Bacillus thuringiensis</i> toxin, Cry 1 Ac in <i>Helicoverpa armigera</i> (Hubner)	<i>Annals of Agricultural Research</i> 23(2): 205-209	3.02	0
330.	Poddar N. Subramanian S.	2015	Alkaline Phosphatase activity in developmental stages of Asia I and Asia II 1 populations of whitefly <i>Bemisia tabaci</i>	<i>Current Science</i> 110(8): 1564-1568 DOI: 10.18520/cs/v110/i8/1564-1568	6.93	0



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331.	Punam K., Mahapatro G.K., Nirupama B., Sarin	2015	A novel pilin subunit from <i>Xenorhabdus nematophila</i> , an insect pathogen, confers pest resistance in tobacco and tomato	<i>Plant Cell Reports</i> 34(11): 1863-1872 DOI: 10.1007/s00299-015-1833-6	9.07	3
332.	Punam K., Mahapatro G.K., Nirupama B., Sarin N.	2015	Ectopic expression of GroEL from <i>Xenorhabdus nematophila</i> in tomato enhances resistance against <i>Helicoverpa armigera</i> and salt and thermal stress	<i>Transgenic Research</i> 24: 859-873 DOI: 10.1007/s11248-015-9881-9	8.32	1
333.	Sagar D., Balikai R.A.	2015	Toxicity of neonicotinoids against cotton leafhopper, <i>Amrasca biguttula biguttula</i> (Ishida) in Karnataka, India	<i>Research on Crops</i> 16(1): 170-175	5.00	0
334.	Selvaraj K., Chander S.	2015	Simulation of climatic change impact on crop-pest interactions: a case study of rice pink stem borer <i>Sesamia inferens</i> (Walker)	<i>Climatic Change</i> 129 (1-2) DOI: 10.1007/s10584-015-1385-3		0
335.	Shankarganesh K., Suroshe S.S., Paul B.	2015	Relative susceptibility of the Bikaner and Delhi populations of mustard aphid, <i>Lipaphis erysimi</i> (Kalt.) (Homoptera: Aphididae) and its predator, <i>Coccinella septempunctata</i> L. (Coleoptera: Coccinellidae), to different insecticides	<i>Phytoprotection</i> 95: 26-30	6.11	0
336.	Sharma K., Meshram N.M., Sharma R.K.	2015	Bioactivity of essential oil from leaves of <i>Murraya koenigii</i> against rice weevil, <i>Sitophilus oryzae</i> in stored wheat	<i>Indian Journal Plant Protection</i> 43: 284-289		0
337.	Sharma K., Sambasiva R., Sharma R.K., Misra M.	2015	Protection by Custard Apple, <i>Annona squamosa</i> , Ethyl acetate Extract to Stored Wheat against Larvae of Khapra beetle, <i>Trogoderma granarium</i> Everts	<i>Vegetos</i> 28: 131-136	6.00	0
338.	Sharma K., Sharma R.K., Chander S., Jilu V.	2015	Development of weather-based <i>Bactrocera zonata</i> prediction model for IARI, New Delhi	<i>Journal of Agrometeorology</i> 17(2): 227-229	6.15	0



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339.	Sharma K., Sharma R.K., Chander S., Jilu V.	2015	Effects of weather parameters on guava fruit fly (<i>Bactrocera zonata</i>) population at IARI, New Delhi	<i>Journal of Agrometeorology</i> 17(2): 227-229	6.15	0
340.	Shashank P.R., Chandrasekhar K., Naresh M., Meshram, Sreedevi K.	2015	Occurrence of <i>Tuta absoluta</i> (Lepidoptera: Gelechiidae) an invasive pest from	<i>Indian Journal of Entomology</i> 77(4): 323-329	4.30	3
341.	Shashank P.R., Meshram N.M.	2015	Impact factor-driven taxonomy: deterrent to Indian taxonomists?	<i>Current Science</i> 106(1): 10	6.93	1
342.	Shashank P.R., Ojha R., Venkatesan V., Jalali S.K., Bhanu K.R.M.	2015	Molecular characterization of brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> (Guenée) (Lepidoptera: Crambidae) based on mitochondrial marker cytochrome oxidase I and their phylogenetic relationship	<i>Indian Journal of Experimental Biology</i> 52: 51-55	6.84	2
343.	Shashank P.R. Saravanan L. Kalidas P., Phanikumar T., Ramamurthy V.V. Bose C.N.S.	2015	New species of the genus <i>Acria</i> Stephens, 1834 (Lepidoptera: Depressariidae: Acriinae) from India	<i>Zootaxa</i> 3957(2): 226-230	6.91	1
344.	Singh A.K, Singh J.P., Yogi R.K., Jaiswal A.K., Daphne S., Singh A.	2015	Impact of lac cultivation on economic strengthening of tribal women	<i>International Journal of Tropical Agriculture</i> 33(2): 1027-1032	3.03	0
345.	Singh J.P., Jaiswal A.K.	2015	Response of broodlac treatment with insecticides on predators and parasitoids of lac insect, <i>Kerriallacca</i> (Kerr) harbouring broodlac	<i>Indian Journal of Entomology</i> 77(1): 21-26	4.30	1
346.	Singh J.P., Srivastava C., Nebapure S.M.	2015	Response of synthetic insecticides to field strains of green peach aphid, <i>Myzus persicae</i> Sulzer	<i>Indian Journal of Entomology</i> 77(4): 353-355 DOI: 10.5958/0974-8172.2015.00074.7	4.30	0



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347.	Singh P., Chander S. Husain M., Pal V. Singh P.	2015	Development of a forewarning model to predict rice leaf folder (<i>Cnaphalocrocis medinalis</i> Guenee) incidence in Punjab	<i>Proceedings of National Academy of Sciences India part B Biological Sciences</i> DOI: 10.1007/s40011-015-0595-9	6.00	0
348.	Sinha S.R., Sharma R.K., Shakil N.A.	2015	Management of okra insect pests through insecticides and their mixtures	<i>Indian Journal of Entomology</i> 77(2): 122-125	4.30	0
349.	Sreedevi K., Sakshi T., Ramamurthy V.V.	2015	Egg morphology of twelve species of Melolonthinae and Rutelinae (Coleoptera: Scarabaeidae)	<i>The Coleopterists Bulletin</i> 69(3): 426-434	-	0
350.	Sreedevi K., Sakshi T., Sharma V.	2015	Species diversity of white grubs (Coleoptera: Scarabaeidae) in the sub-Himalayan and northern plains of India	<i>Current Science</i> (Accepted)	6.93	0
351.	Sreedevi K., Tyagi S.	2015	Species diversity of white grubs associated with sugarcane ecosystem of western Uttar Pradesh – A case study	<i>Current Biotica</i> 8(4): 404-410	3.68	0
352.	Subhakar G., Sreedevi K.	2015	Foraging ecology of insect pollinators in bitter gourd	<i>Indian Journal of Entomology</i> 77(2): 189-192	4.30	0
353.	Subhakar G., Sreedevi K.	2015	Nocturnal insect pollinator diversity in bottle gourd and ridge gourd in southern Andhra Pradesh	<i>Current Biotica</i> 9(2): 137-144	3.68	0
354.	Sujayanand G.K., Sharma R.K., Shankarganesh K., Supradip Saha, Tomar R.S.	2015	Crop diversification for sustainable insect pest management in eggplant (Solanales: Solanaceae)	<i>Florida Entomologist</i> 98(1): 305-314	7.00	0
355.	Sujithra M., Chander S.	2015	Distribution pattern and sequential sampling plan for spotted pod borer, <i>Maruca vitrata</i> (Fabricius) (Lepidoptera: Crambidae) on pigeon pea, <i>Cajanus cajan</i> L.	<i>International Journal of Pest Management</i> DOI: 0.1080/09670874.2015.1102360	6.96	0



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356.	Suresh M., Nebapure, Sagar D.	2015	Insect-plant interaction: A road map from knowledge to novel technology development	<i>Karnataka Journal of Agricultural Sciences</i> 28(1): 1-7	3.50	0
357.	Suroshe S.S. Shankarganesh K. Paul B., Bose N.S.C.	2015	Sentinel egg card studies for resident egg-parasitoids harbouring horticultural crops of IARI, New Delhi campus	<i>Indian Journal of Horticulture</i> 72(4): 578-780	6.13	0
358.	Suroshe S.S., Sharma J. Singh N.V., Pal R.K.	2015	New report of insect pests and their natural enemies from Pomegranate (<i>Punica granatum</i> L.)	<i>Indian Journal of Horticulture</i>	6.13	0
359.	Veeranna D., Mittal A., Mandla R., Kalia V.	2015	Distribution and insecticidal activity of <i>Bacillus thuringiensis</i> strains isolated from warehouses in India	<i>Biopesticide International</i> 11(2): 96-107	4.35	0
360.	Ahmad A., Parveen S., Brožek J., Dey D.	2016	Antennal sensilla of phytophagous and predatory pentatomids (Hemiptera: Pentatomidae): a comparative study of four genera	<i>Zoologischer Anzeiger</i> 261: 48-55	7.48	0
361.	Arora S., Mogha N., Bhardwaj T., Srivastava C.	2016	Antifeedant and Insecticidal Activity of Plant Extracts Against <i>Spodoptera litura</i> (Fab.) and <i>Lipaphis erysimi</i>	<i>India Section B: Biological Sciences</i> DOI: 0.1007/s40011	6.00	1
362.	Balaji R., Dey D.	2016	Diagnostics of a lesser known halictine bee <i>Pseudapis oxybeloides</i> Smith (Halictidae: Nomiinae) from India	<i>Journal of Entomological Research</i> 40(1)	3.72	0
363.	Gandotra S., Bhuyan P.M., Gogoi D.K., Kumar A., Subramanian S.	2016	Screening of nutritionally important gut bacteria from the lepidopteran insects through qualitative enzyme assays	<i>Proceedings of the National Academy Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-016-0762-7	6.00	0
364.	Gotyal S., Srivastava C., Walia S.	2016	Toxicity of <i>Lantana camara</i> Leaf Extracts Against Almond Moth, <i>Cadra cautella</i> (Walker) March 2016	<i>Proceedings of the National Academy Sciences, India Section B: Biological Sciences</i> 86: 199-204	6.00	0



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365.	Gurupirasanna P., Chander S., Singh M.P., Pathak H.	2016	Impact of elevated CO ₂ and temperature on brown planthopper population in rice ecosystem	<i>Proceedings of the National Academy Sciences India Section B. Biological Sciences</i> DOI: 10.1007/s40011-016-0727-x	6.00	0
366.	Halder J., Rai A.B., Dey D., Singh B.	2016	First Record of <i>Microplitis tuberculifer</i> (Wesmael 1837) (Hymenoptera: Braconidae), a Parasitoid of <i>Spodoptera litura</i> Fab. from India	<i>National Academy Science Letter</i> DOI: 10.1007/s40009-016-0497-2	6.00	0
367.	Jaiswal A.K., Singh J.P.	2016	Bio-efficacy potential of flubendiamide as an IPM tool for the management of biotic stress in lac culture	<i>Proceeding National Academy Sciences India Section B Biological Sciences</i> 86(1): 15-20 DOI: 10.1007/s40011-014-0393-9	6.00	2
368.	Karuppan S., Naveen N.C., Paul Bishwajeet	2016	Effect of Insecticides on Different Stages of Predatory Green Lacewing, <i>Chrysoperla zastrowi sillemi</i> (Esben.-Petersen)	<i>Proceedings of the National Academy of Sciences India Section B: Biological Sciences</i> DOI:10.1007/s40011-016-0719-x	6.00	0
369.	Kumar R., Gopal M., Pabbi S., Paul S., Alam M.I., Yadav S., Srivastava C., Gogoi R.	2016	Effect of Nanohexaconazole on Nitrogen Fixing Blue Green Algae and Bacteria	<i>Journal of Nanoscience and Nanotechnology</i> 16: 643-647	7.56	0
370.	Mahendran B., Sharma R.K., Sinha S.R.	2016	Strategies for insect management in Cauliflower (<i>Brassica oleraceae</i> var. <i>botrytis</i>) through habitat intervention	<i>Proceedings of the National Academy Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-016-0758-3	6.00	0
371.	Manzoor U., Haseeb M., Chander S.	2016	Determination of thermal constant and development threshold of fruit and shoot borer, <i>Earias vitella</i> (F.)	<i>Proceedings of the National Academy Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40009-016-0426-4	6.00	0
372.	Meshram N.M. Chaubey R.	2016	Two new species of the genus <i>Hishimonus</i> (Hemiptera: Cicadellidae) with a new record from India	<i>Zootaxa</i> 4103(3): 259-266	6.91	0



S. No.	Author	Year	Title Name	Journal and Volume	NAAS Rating	Citation Index
373.	Meshram N.M. Shashank P.R. Srinivasa N.	2016	New records of the genus <i>Parabolopona</i> Matsumara (Hemiptera: Cicadellidae: Deltocephalinae), with description of a new species from India	<i>Zootaxa</i> 4114(2): 182-188	6.91	0
374.	Nebapure S.M. Srivastava C. Walia S.	2016	Antifeedant Activity of <i>Gloriosa superba</i> Linn. Tuber Extracts Against <i>Spodoptera litura</i> (Fabricius)	<i>National Academy Science Letters</i> 1-4	6.00	2
375.	Pramanik A. Dey D.	2016	A checklist of Indian fig wasp species	<i>Oriental Insects</i> 50(2): 84-94	6.27	0
376.	Rita Devi S. Dey D.	2016	First record of genus <i>Eucryptorrhynchus</i> from India along with description of a new species	<i>Oriental Insects</i> 50(4): 1-9	6.27	0
377.	Sethi T., Kalia V., Singh A.K., Gujar G.T.	2016	In vitro rearing of brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> (Guenée) (Lepidoptera: Crambidae) on artificial diet	<i>Entomon</i> 41(2): 105-114	4.15	0
378.	Singh B.P., Sandhu S.S., Kalia V.K., Gujar G.T, Dhillon M.K.	2016	Assessment of Bt trait purity in different generations of transgenic cottons	<i>Indian Journal of Experimental Biology</i> 54(4): 237-244	6.84	0
379.	Singh J.P., Jaiswal A.K., Monobrullah Md.	2016	First record of some insect pests on commercial lac host plant, <i>Ziziphus mauritiana</i> from India	<i>Proceeding National Academy Sciences, India Section B Biological Sciences</i> 86(2): DOI: 10.1007/s40011-014-0400-1	6.00	0
380.	Soumia P.S., Srivastava C., Dikshit H.K., Pandi G.G.P.	2016	Screening for Resistance Against Pulse Beetle, <i>Callosobruchus analis</i> (F.) in Greengram (<i>Vigna radiata</i> (L.) Wilczek) Accessions.	<i>Proceedings of the National Academy Sciences, India Section B: Biological Sciences.</i> DOI: 10.1007/s40011-015-0635-5	6.00	1
381.	Sreedevi K., Sharma M., Kulanthaivel S.	2016	Occurrence of longhorned beetles (Coleoptera: Cerambycidae) in the coffee ecosystem of Kodagu region, Karnataka, India	<i>Current Biotica</i> 9(4): 388-391	3.68	0
382.	Sreedevi K. Tyagi S.	2016	Notes on male genitalia and endophallus of five predominant species of <i>Holotrichia</i> (Coleoptera: Scarabaeidae: Melolonthinae)	<i>Current Biotica</i> 9(4): 328-339	3.68	0



S. No.	Author	Year	Title Name	Journal and Volume	NAAS Rating	Citation Index
383.	Srivastava C. Subramanian S.	2016	Storage insect pests and their damage symptoms: an overview	<i>Journal of Grain Storage Research</i> DOI: 10.5958/0974-8172. 2016.00025.0	-	0
384.	Thube S.H., Mahapatro G.K., Arun Kumar M.B.	2016	<i>In vitro</i> evaluation of insecticides, bio-fungicide and bio-fertilizer for strategic and eco-friendly combinatorial seed treatments in chickpea	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-016-0794-z	6.00	0
385.	Tripathi M., Kumar A., Kalia V., Saxena A.K., Gujar G.T.	2016	Isolation and characterization of lepidopteran specific <i>Bacillus thuringiensis</i> predominantly from North-Eastern region of India	<i>Indian Journal of Experimental Biology</i> 54(7): 431-452	6.84	0
386.	Walter G.H., Chandrasekaran S., Collins P.J., Jagadeesan R., Mohankumar S., Alagusundaram K., Ebert P.R., Daglish G.J., Nayak M.K., Mohan S., Srivastava C., Subramanian S.	2016	The grand challenge of food security - general lessons from a comprehensive approach to protecting stored grain from insect pests in Australia and India.	<i>Journal of Grain Storage Research</i> DOI: 10.5958/0974-8172.2016.00020.1	-	0

Faculty Profile

(i) Professors

S. No.	Name	Period
1.	Dr. R.D. Gautam	01-09-2006 to 31-07-2012
2.	Dr. V.V. Ramamurthy	06-08-2012 to 30-06-2014
3.	Dr. Subhash Chander	09-07-2014 onwards

(ii) Heads

S. No.	Name	Period
1.	Dr. G.T. Gujar	1-07-2006 to 31/01/2015
2.	Dr. Chitra Srivastava	01-02-2015 onwards



(iii) Faculty Members

S. No.	Name of the Faculty Members	Qualification	Specialization	h-Index	i10-Index
1.	Dr. (Mrs.) Chitra Srivastava	Ph.D.	Insect Toxicology	9.0	6.0
2.	Dr. Subhash Chander	Ph.D.	Insect Pest Management	11.0	14.0
3.	Dr. R.K. Thakur	Ph.D.	Apiculture	-	-
4.	Dr. R.K. Sharma	Ph.D.	Insect Pest Management	9.0	8.0
5.	Dr. (Mrs.) Debjani Dey	Ph.D.	Biosystematics	7.0	4.0
6.	Dr. S. Subramanian	Ph.D.	Insect Physiology	8.0	4.0
7.	Dr. Gagan K. Mahapatro	Ph.D.	Insect Toxicology	6.0	3.0
8.	Dr. (Ms) Vinay Kumari Kalia	Ph.D.	Insect Physiology	10	13
9.	Dr. (Mrs.) Kirti Sharma	Ph.D.	Insect Physiology	6.0	0
10.	Dr. Bishwajeet Paul	Ph.D.	Biological Control	2	0
11.	Dr. M.K. Dhillon	Ph.D.	Insect Physiology	13.0	19.0
12.	Dr. J.P. Singh	Ph.D.	Insect Toxicology	6	3
13.	Dr. Sachin Suroshe	Ph.D.	Biological Control	8	8
14.	Dr. (Mrs.) Kolla Sreedevi	Ph.D.	Biosystematics	4	1
15.	Dr. K. Shankarganesh	Ph.D.	Biological Control	-	-
16.	Dr. Naresh Manohar Meshram	Ph.D.	Biosystematics	1	0
17.	Dr. Nebapure Suresh M.	Ph.D.	Insect Toxicology	2	0
18.	Dr. Shashank P.R.	Ph.D.	Biosystematics	2	0
19.	Dr. Sagar D.	Ph.D.	Insect Physiology	3	0
20.	Dr. Nithya Chandran	Ph.D.	Biosystematics	1	0
21.	Dr. Anoop Kumar*	Ph.D.	Biological Control	-	-
22.	Dr. Pradyumn Kumar*	Ph.D.	Insect Pest Management	-	-
23.	Dr. D.B. Ahuja*	Ph.D.	Insect Pest Management	-	-
24.	Dr. Surender Kumar Singh*	Ph.D.	IPM-Biological Control	-	-
25.	Dr. S. Chakraborty*	Ph.D.	Stored Grain Insects	-	-
26.	Dr. Amalendu Ghosh*	Ph.D.	Insect Vectors	-	-

*Faculty members posted in other Divisions/Sister Institutes



Nematology

Tushar Kanti Dutta and Anil Sirohi

Students Awarded Degree

Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
Ph.D. Students					
1.	2007	Gavas Ragesh	Variability in the Con-Specific populations of the maize cyst nematode, <i>Heterodera</i> Koshy, Swarup and Sethi, 1970 In India	Dr. (Mrs) S. Ganguly	-
2.	2008	Shivasimpi Channappa	Nematicidal efficacy of <i>Pseudomonas fluorescens</i> against root-knot nematode, <i>Meloidogyne incognita</i> (Kofoid and White, 1919) Chitwood, 1949, infecting brinjal	Dr. S.C. Dhawan	-
3.	2010	R. Jagadeeswaran	Studies on biology and management of reniform Nematode, <i>Rotylenchulus reniformis</i> okra (<i>Abelmoschus esculentus</i> L.) hybrids	Dr. R.V. Singh	-
4.	2010	Prasanna V. Holajjer	Evaluation of heterocystous and non heterocystous cyanobacteria for their bionematicidal potential against root-knot nematode, <i>Meloidogyne incognita</i>	Dr. Anju Kamra	-
5.	2010	Tushar Kanti Dutta	Studies on host recognition and reproduction of root-knot nematodes, <i>Meloidogyne graminicola</i> and <i>M. incognita</i> infecting rice and tomato	Dr. H.S. Gaur	IARI merit medal/ visited UK
6.	2011	Jagadeesh Patil	Effect of Root-knot nematode, <i>Meloidogyne graminicola</i> on the nutrient uptake and water use efficiency of rice plant and quality and vigour of seed	Dr. H.S. Gaur	DJ Raski award/ visited UK
7.	2012	Raghubir Patidar	Effect of the actinomycetes, <i>Streptomyces purpeofuscus</i> MTCC 6473 (Yamaguchi and Saburi, 1955) for its nematicidal potential against root-knot nematode, <i>Meloidogyne incognita</i> infecting tomato	Dr. Anju Kamra	-
8.	2012	Anes K.M.	Studies on application technology of <i>Steinernema thermophilum</i> and the biotoxicants involved in managing insect pests	Dr. (Mrs) S. Ganguly	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
9.	2012	H. Kesava Kumar	Systematics of Entomopathogenic Nematode (<i>Steinernema</i> sp.) and its Characterization for Managing Hompteran Insect Pests	Dr. (Mrs) S. Ganguly	-
10.	2012	Berliner J.	Studies on the effect of elevated carbon dioxide on root-knot nematode (<i>Meloidogyne incognita</i>) tomato (<i>Solanumlycopersicum</i>) interaction	Dr. A.K. Ganguly	-
11.	2014	C. Sellaperumal	Isolation and evaluation of <i>Streptomyces lavendulae</i> MTCC 706 for its nematocidal potential against root-knot nematode, <i>Meloidogyne incognita</i> (Kofoid and White, 1919)	Dr. Anju Kamra	-
12.	2014	M. Venkatesan	Effect of Root-knot Nematode, <i>Meloidogyne graminicola</i> on the Nutrients and Heavy Metal Uptake and Growth of Rice, <i>Oryzasativa</i>	Dr. H.S. Gaur	-
13.	2015	Gawade Bharat Hanumant	Studies on resistance to the root-knot Nematode, <i>Meloidogyne incognita</i> , in chickpea inhibitor transformed tomato	Dr. Anil Sirohi	DJ Raski Award
14.	2016	Prakash Banakar	Characterization of key RNAi pathway genes and to establish the functional significance of FMRF amide like peptide genes in the life cycle of <i>Meloidogyne incognita</i>	Dr. Uma Rao	-
15.	2016	Priyank Hanuman Mhatre	Inheritance and mapping of gene(s) for resistance to <i>Meloidogyne graminicola</i> in rice (<i>Oryza sativa</i>)	Dr. Pankaj	-
M.Sc. Students					
1.	2007	Tushar Kanti Dutta	Evaluation of the cyanobacterium, <i>Synechococcus nidulans</i> for its toxic effects against nematodes	Dr. Anju Kamra	DJ Raski Award
2.	2007	Anes K.M.	Extraction and Evaluation of metabolites of <i>Trichoderma</i> spp. against root-knot nematode infecting okra	Dr. D. Prasad	-
3.	2008	C. Sellaperumal	Studies on the survival of root-knot nematode, <i>Meloidogyne incognita</i> in the bulbs of tuberose, <i>Polianthes tuberosa</i> and its management	Dr. Gautam Chawla	-
4.	2008	Vidyadhar Vasudeo Pawar	Isolation, Purification and Characterization of Insecticidal Virulence of Indigenous Strains of <i>Xenorhabdus</i> , the Symbiotic Bacteria from Entomopathogenic Nematode, <i>Steinernema</i> spp.	Dr. Sharad Mohan	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
5.	2009	Siddappa Annigeri	Effect of application of Jasmonic acid on resistance in tomato infected with root-knot nematode	Dr. Pankaj	-
6.	2009	Gawade Bharat Hanamant	Induction of resistance in eggplant (<i>Solanum melongena</i>) by synthetic elicitor molecules against root-knot nematode, <i>Meloidogyne incognita</i>	Dr. Anil Sirohi	-
7.	2010	Ravi Danannavar	Pathogenesis of fresh versus anhydrobiatic IJ of <i>Heterorhabditis indica</i> on <i>Galleria mellonella</i>	Dr. H.S. Gaur	-
8.	2010	Ramanna Koulagi	RNAi approach for root-knot nematode <i>Meloidogyne incognita</i> , management in tomato, <i>Solanum lycopersicum</i> L.	Dr. Anil Sirohi	-
9.	2010	Somnath Pokhare	Effect of DL- β -amino-n-butyric acid (BABA), Jasmonic acid (JA) and Salicylic acid (SA) on the cereal cyst nematode, <i>Heterodera avenae</i> infecting wheat (<i>Triticum aestivum</i>)	Dr. Pankaj	-
10.	2011	Chandramani Waghmare	Effect of root-knot nematode, <i>Meloidogyne incognita</i> and its management on nodulation in Mungbean (<i>Vigna radiata</i>)	Dr. H.K. Sharma	-
11.	2011	Manjunatha Gowda	Studies on extraction of <i>meloidogyne incognita</i> from tuberose (<i>Polianthetuberosa</i>) bulbs using different techniques and its management with carbosulfan	Dr. Gautam Chawla	-
12.	2011	Prakash Banakar	Silencing of nematode genes an infection and development of root-knot nematode <i>Meloidogyne incognita</i>	Dr. Uma Rao	-
13.	2011	Yogesh Thorat	RNAi Strategy to Disrupt Root-knot Nematode, <i>Meloidogyne incognita</i> race I, Parasitism in Tomato, <i>Lycopersicon esculentum</i> Mill	Dr. Anil Sirohi	DST Inspire fellow
14.	2012	Bandara Gayatri	Studies on the giant cell anatomy in tomato plants exhibiting RNAi silencing of genes involved in parasitism of the root-knot nematode, <i>Meloidogyne incognita</i> , race 1	Dr. Anil Sirohi	-
15.	2012	Manimaran Balakumaran	Influence of desiccation stress related response on the ecology and biochemical alterations in entomopathogenic nematode <i>Heterorhabditis indica</i>	Dr. Sharad Mohan	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
16.	2012	Sirisha Tadigiri	Study on the effect of radio frequency waves on root-knot nematode, <i>Meloidogyne incognita</i>	Dr. Gautam Chawla	-
17.	2012	Priyank Hanuman Mhatre	Bioefficacy of controlled-release nano-formulations of Salicylic acid on <i>Heterodera venae</i> infecting wheat crop	Dr. Pankaj	DJ Raski Award
18.	2013	Kommu Kiran Kumar	Evaluation of phase-related mutualism and insecticidal activity of <i>Photorhabdus luminescens</i> required by its Nematode host <i>Heterorhabditis indica</i>	Dr. Sharad Mohan	-
19.	2013	Satish Chavan	Bioefficacy of <i>Crotalaria juncea</i> L. against <i>Meloidogyne graminicola</i> in rice crop	Dr. Pankaj	-
20.	2013	Bhupal Hatzade	Studies on Vitrification of Entomopathogenic and Plant Parasitic Nematodes	Dr. H.S. Gaur	-
21.	2013	Devindrappa	Taxonomic studies on Indian populations of <i>Heterodera avenae</i> group	Dr. Gautam Chawla	-
22.	2014	Yogiraj Z.Y.	Evaluation of Transgenic brinjal expressing dsRNA of <i>flp-18</i> against <i>Meloidogyne incognita</i>	Dr. Uma Rao	-
23.	2014	Victor Phani	Morphological and Molecular Characterization of <i>Pratylenchus</i> species Occurring at IARI Farm, New Delhi	Dr. S. Ganguly	-
24.	2014	Mahanteswara B.	Management of <i>Meloidogyne incognita</i> in tomato by carbofuran alone and in combination with <i>Trichoderma harzianum</i> and <i>Pseudomonas fluorescens</i>	Dr. H.K. Sharma	-
25.	2015	Ashish Kumar Singh	Evaluation of root knot nematode responsive promoters against important plant parasitic nematodes	Dr. Anil Sirohi	-
26.	2015	Swapnil Pawar	Extrinsic factors governing the spore encumbrance of indigenous population of <i>Pasteuria</i> hyperparasitizing the root-knot nematode, <i>Meloidogyne</i> species	Dr. Anju Kamra	-
27.	2015	Sopan Ugale	Biosystematics of <i>Heterorhabditis</i> species from Cold Desert Conditions, Nimu Village, Leh, Ladakh, India	Dr. Gautam Chawla	-
28.	2015	Vikas Gasti	Community analysis and biosystematics of nematodes infecting guava and mango at IARI	Dr. Gautam Chawla	-



Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award/ Distinction
29.	2016	Vinay Kumar B.K.	Evaluation of <i>Trichoderma virens</i> (Miller, Giddens and Foster) von Arx against root-knot nematode, <i>Meloidogyne incognita</i> infecting tomato cv Pusa Ruby	Dr. Anju Kamra	-
30	2016	Vinod S.	Characterization of cyst forming nematodes, <i>Heterodera</i> spp. from Kangra and Kullu districts of Himachal Pradesh	Dr. Gautam Chawla	-
31	2016	Manoranjan Dash	<i>In silico</i> identification, characterization and functional validation of neuropeptide like protein genes (nlps) from <i>Meloidogyne incognita</i>	Dr. Uma Rao	-
32	2016	Devaraja K.P.	Comparative infectivity of root- knot nematode (<i>Meloidogyne graminicola</i>) in direct seeded rice genotypes (<i>Oryza sativa</i> L.)	Dr. Pankaj	-

Foreign Students Awarded Degree

Sl. No.	Year	Name of Student	Thesis Title	Chairperson	Award
Ph.D. Student					
1.	2007	Abbas Salahi Ardakani	The impact of some Neem (<i>Azadirachta indica</i>) formulations on <i>Meloidogyne incognita</i> , <i>Heterorhabditis indica</i> & <i>Cephalobospersegnis</i> and their compatibility with <i>Trichoderma viride</i> and <i>Pseudomonas fluorescens</i>	Dr. H.S. Gaur	Iran

Training Organized by Faculty Members

Sl. No.	Year	Title
1.	2011	National training on “Advanced techniques for exploiting the ENBT complexes (entomopathogenic nematodes- bacterial symbionts and insect hosts) for biomangement of insect pests of crops” sponsored by NAIP project
2.	2012	Model Training Course on Microbial Bio-agents and entomopathogenic Nematodes for management of agriculturally important pests
3.	2014	Model training courses on beneficial soil nematode biodiversity for managing insect pests and promoting Agril. Sustainability sponsored by Directorate of corporation, Ministry of Agriculture Government of India
4.	2016	ICAR Sponsored Winter School on Designing Modern Crop Pest Combat Strategies with Nematodes and against Nematodes. Sponsored by Education Division ICAR, New Delhi



Technology Commercialized and Patents filed by Faculty Members

Patent	Investigators	Application No.	Date
Development of slow release nano formulations of bioactive compounds and method of preparation thereof	N.A. Shakil, Jitendra Kumar & Dr. Pankaj	257/DEL/2012	31-01-2012
Method for the control of nematodes in plants.	Uma Rao	Indian Patent 3876/DEL/2012 International Patent PCT/IB2013/060946	14/12/2012 14/12/2013
Polynucleotide fragments for directing expression of genes in plant roots in response to pathogens	P.K. Jain, Atul Kakrana, Anil Kumar, Anil Sirohi and Srinivasan	2246/DEL/2015 (complete patent application)	23 July, 2015
Polynucleotide fragments for directing expression of genes in plant roots in response to pathogens and wounding	P.K. Jain, Atul Kakrana, Anil Kumar, Anil Sirohi and Srinivasan	2245/DEL/2015 (provisional patent application)	23 July, 2015

Technology Offered: - A process for the preparation of nano formulations of carbofuran (2011-12).

Faculty Awards/Recognition

Sl. No.	Year	Investigators	Award/Honour/Recognition
1.	2013	Dr. Uma Rao	Member, Task Force Committee for Biological Agents for Agriculture, DBT
2.	2013	Dr. Sharad Mohan	IARI Best Teacher Award
3.	2013	Dr. Sudershan Ganguly	Member, Planning Committee for Helminthology, DST
4.	2012	Dr. Tushar Kanti Dutta	Crop Protection Young Scientist Award by Association for Advancement in Plant Protection
5.	2012	Dr. Tushar Kanti Dutta	Jawaharlal Nehru award conferred by Indian Council Agricultural Research (ICAR), New Delhi
6.	2012	Dr. Sharad Mohan	Elected country representative for European Society of Nematologists
7.	2011	Dr. Tushar Kanti Dutta	IARI merit medal for the best Ph.D thesis
8.	2011	Dr. Pankaj	Prof. H.M Shah Memorial Award by Nematological Society of India

Research Publications of Faculty Members

Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Ganguly, Sudarshan Sushil Kumar and K.S. Rathour	2009	Enzyme Phenotypes for Differentiating Indigenous Strains of <i>Steinernema</i> (Nematoda: Steinernematidae)	<i>Indian Journal of Agricultural Sciences</i> 79: 466-469	6.17	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
2.	Kundu, Aditi, Shakil, N.A., Saxena, D.B., Pankaj and Kumar, J.	2009	Microwave assisted solvent free synthesis and antinemic activities of novel imines (Schiff bases)	<i>Journal of Environmental Science and Health Part B</i> 44: 428-434	7.25	18
3.	Meher H.C., Gajbhiye V.T., Singh G. and Chawla Gautam	2009	Virulence development and genetic polymorphism in <i>Meloidogyne incognita</i> (Kofoid & White) Chitwood after prolonged exposure to sub-lethal concentrations of nematicides and continuous growing of resistant tomato cultivars	<i>Pest Management Science</i> 65: 1201-1207	8.81	13
4.	Meher H.C., Gajbhiye V. T., Singh G., Kamra Anju & Chawla Gautam	2009	Nematicidal efficacy, enhanced degradation and cross adaptation of carbosulfan, cadusafos and triazophos under tropical conditions	<i>Nematology</i> 12: 211-214	7.06	3
5.	Kumar, J., Shakil, Najam A., Singh M.K., Pankaj, Singh Mukesh K., Pandey Alka and Pandey Ravi P.	2010	Development of controlled release formulations of azadirachtin-A employing poly (ethylene glycol) based amphiphilic copolymers.	<i>Journal of Environment Science and Health Part B</i> 45: 310-314	7.25	16
6.	Mauchline T.M., Mohan S., Davies K.G., Schaff J E., Opperman C.H., Kerry B.R. and Hirsch P.R.	2010	A method for release and multiple strand amplification of small quantities of DNA from endospores of the fastidious bacterium <i>Pasteuria penetrans</i>	<i>Letters in Applied Microbiology</i> 50: 515-21	7.58	10
7.	Meher H.C., Gajbhiye V. T., Singh G., Kamra Anju & Chawla Gautam	2010	Persistence and Nematicidal efficacy of carbosulfan, cadusafos, phorate and triazophos in Soil and uptake by chickpea and tomato crops under tropical conditions	<i>Journal of Agriculture & Food Chemistry</i> 58: 1815-1822	8.86	18
8.	Shakil, N.A., Singh, M.K., Alka Pandey, Kumar, J., Pankaj, Parmar, V.S., Singh Manish K., Ravi P. Pandey, Watterson, A.C.	2010	Development of Poly (ethylene glycol) Based Amphiphilic Copolymers for Controlled Release Delivery of Carbofuran	<i>Journal of Macromolecular Science, Part A: Pure and Applied Chemistry</i> 47: 241-247	6.96	28
9.	Dutta, T.K., Powers, S.J., Kerry, B.R., Gaur, H.S. and Curtis, R.H.C.	2011	Comparison of host recognition, invasion, development and reproduction of <i>Meloidogyne graminicola</i> and <i>M. incognita</i> on rice and tomato	<i>Nematology</i> 13(5): 509-520	7.06	22



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
10.	Rao, S.B., Rathi, A., Atkinson, H. and Uma Rao	2011	A comparison of the variation in Indian populations of pigeonpea cyst nematode, <i>Heterodera cajani</i> revealed by morphometric and AFLP analysis	<i>Zookeys</i> 135: 1-19	6.94	-
11.	Reynolds, A.M., Dutta, T.K., Curtis, R.H.C., Powers, S.J., Gaur, H.S. and Kerry, B.R.	2011	Chemotaxis can take plant-parasitic nematodes to the source of a chemo-attractant via the shortest possible routes	<i>Journal of The Royal Society Interface</i> 8(57): 568-577	9.82	41
12.	Uma Rao, T.H. Mauchline and K.G. Davies	2011	The 16S rRNA gene of <i>Pasturella penetrans</i> provides an early diagnostic of infection of root-knot nematodes (<i>Meloidogyne</i> spp.)	<i>Nematology</i> 14: 799-804	7.06	2
13.	Dutta, T.K., Ganguly, A. K. & Gaur, H.S.	2012	Global status of rice root-knot nematode, <i>Meloidogyne graminicola</i>	<i>African Journal of Microbiology Research</i> 6: 6016-6021	5.0	11
14.	Dutta, T.K., Powers, S.J., Gaur, H.S., Birkett, M. and Curtis, R.H.C.	2012	Effect of small lipophilic molecules of tomato and rice on the behaviour of root-knot nematodes	<i>Nematology</i> 14: 309-320	7.06	6
15.	Jain, R.K., Khan, M.R. and Kumar, V.	2012	Rice root knot nematode (<i>Meloidogyne graminicola</i>) infestation in rice	<i>Archives of Phytopathology and Plant Protection</i> 45: 635-645	6.0	11
16.	Matiyar R. Khan, Zafar A. Handoo, Uma Rao, S.B. Rao and J.S. Prasad	2012	Observations on the Foliar Nematode, <i>Aphelenchoides besseyi</i> , infecting Tuberose and Rice in India	<i>Journal of Nematology</i> 44: 391-398	7.33	6
17.	Pankaj, Muttucumar, N., Stephen J. Powers, Hari S. Gaur, Kurup, S. and Rosane H.C. Curtis	2012	Differential defence response due to jasmonate seed treatment in cowpea and tomato against root-knot and potato cyst nematodes	<i>Nematology</i> 15: 15-21	7.06	3
18.	Pankaj, Shakil, N.A., Kumar, J., Singh, M.K. and Singh, Khajan	2012	Bioefficacy evaluation of controlled release formulations based on amphiphilic nanopolymer of carbofuran against <i>Meloidogyne incognita</i> infecting tomato	<i>Journal of Environmental Science & Health Part B</i> 47: 520-8	7.25	-
19.	Prasanna Holajjer, Anju Kamra, Hari S. Gaur and Dolly Wattal Dhar	2012	<i>In vitro</i> nematicidal activity of a terrestrial cyanobacterium, <i>Synechococcus nidulans</i> towards plant-parasitic nematodes	<i>Nematology</i> 14: 85-92	7.06	3



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
20.	Somasekhara, Y.M., Sehgal, M., Ravichandra, N.G., Siddegowda D.K., Jain, R.K., Mahadevu, P., Ravindra, K.R., Ramakrishna and Sardana, H.R.	2012	Validation and economic analysis of adatable integrated management technology against root-knot nematode (<i>Meloidogyne graminicola</i>) in rice (<i>Oryza sativa</i>) with farmer's participatory approach	<i>Indian Journal of Agricultural Sciences</i> 82: 442-444	6.17	-
21.	Somvanshi, V.S., Sloup, R.E., Crawford, J.M., Martin, A.M., Heidt, A.J., Kim, K.S., Clardy, J., Ciche, T.A.	2012	A single promoter inversion switches <i>Photorhabdus</i> between pathogenic and mutualistic states	<i>Science</i> 337: 88-93	20	41
22.	Kumar P., Singh, S., Dutta, D., Nirpendra Singh, Garima Sharma, Sudershan Ganguly, Vinay Kalia and Lata	2013	Extracellular serralyisin type metalloprotease from <i>Xenorhabdus indica</i> and its use as potential insecticidal agent	<i>Journal of Microbiology and Biotechnology</i> 23: 1536-1543	7.69	5
23.	Papolu, P., Prasad, G.N.V., Kamaraju, D., Banakar, P., Sreevathsa R. and Umarao	2013	Utility of host delivered RNAi of two FMRF amide like peptides, <i>flp-14</i> and <i>flp-18</i> for the management of root knot nematode, <i>Meloidogyne incognita</i>	<i>PlosOne</i> 8: e80603	9.06	21
24.	Prasad, N.G.V., Papolu, P., Thakur, P.K., D. Kamaraju R. Sreevathsa and Umarao	2013	Selection and validation of reference genes for quantitative gene expression studies by real-time PCR in eggplant (<i>Solanum melongena</i> L.)	<i>BMC Research Notes</i> 6: 312	6.0	25
25.	Uma Rao, Amita Sharma, Nidhi Tyagi, Prakash B., and Kumar M.	2013	Characterization of genetic homogeneity of an Indian population of cereal cyst nematode, <i>Heterodera avenae</i> using sequencing and PCR-RFLP of ribosomal DNA	<i>Bioinformation</i> 9(2): 67-71	5.0	2
26.	Dutta, T.K., Lovegrove, A., Gaur, H.S. and Curtis, R.H.C.	2014	Differential Immunoreactivity of the Root-knot Nematodes, <i>Meloidogyne graminicola</i> and <i>M. incognita</i> to Polyclonal and Monoclonal Antibodies and Identification of Antigens through Proteomics Approach	<i>African Journal of Microbiology Research</i> 8: 1245-1254	5.0	-
27.	Kalia, Vinay, Sharma, G., David, I. Shapiro-Ilan and Ganguly Sudarshan	2014	Biocontrol potential of <i>Steinernema thermophilum</i> and its symbionts, <i>Xenorhabdus indica</i> against lepidopteran pests	<i>Journal of Nematology</i> 46:18-26	7.33	1



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
28.	Kumar M., Gantasala N.P., Roychowdhury T., Thakur P.K., Banakar P., Shukla R.N., Jones M.G.K. and Uma Rao	2014	De Novo Transcriptome Sequencing and Analysis of the Cereal Cyst Nematode, <i>Heterodera avenae</i>	<i>PlosOne</i> 16: e96311	9.06	24
29.	Kumar, P., Singh, S., Dutta, D., Sudershan Ganguly and Nain, L.	2014	Biodegradation of dimethyl phthalate by an entomopathogenic nematode symbiont <i>Xenorhabdus indica</i> strain KB-3	<i>International Biodeterioration & Biodegradation</i> 89: 23–28	8.43	8
30.	Pandey, S., Kushwah, J., Tiwari, R., Kumar, R., Somvanshi, V.S., Nain, L., Saxena, A.K.	2014	Cloning and expression of 1, 4-endoglucanase gene from <i>Bacillus subtilis</i> isolated from soil long term irrigated with effluents of paper and pulp mill	<i>Microbiological Research</i> 169: 693-698	8.72	7
31.	Somvanshi, V.S., Ellis, B. L., Hu, Y., Aroian, R.V.	2014	Nitazoxanide: Nematicidal mode of action and drug combination studies	<i>Molecular & Biochemical Parasitology</i> 193: 1-8	8.07	16
32.	Thakur, Prasoon K, Kumar, Mukesh, Kumar J., Nagavara Prasad Gantasala & Uma Rao	2014	Structural and functional analysis of cathepsin S of <i>Heterodera</i> spp: A promising candidate for its control	<i>Indian Journal of Experimental Biology</i> 52: 223-231	7.17	3
33.	Tripathi B., Bhatia R., Pandey A., Gaur J., Chawla G., Walia S., Choi Eun Ha and Attri Pankaj	2014	Potential Antioxidant Anthraquinones Isolated from <i>Rheum emodi</i> Showing Nematicidal Activity against <i>Meloidogyne incognita</i>	<i>Journal of Chemistry</i> DOI: 10.1155/ 2014/ 652526	7.00	4
34.	Banakar P., Sharma A., Lilley C.J., Gantasala N.P., Kumar M. and Uma Rao	2015	Combinatorial in vitro RNAi of two neuropeptide genes and a pharyngeal gland genes of <i>Meloidogyne incognita</i>	<i>Nematology</i> 17: 155-167	7.06	-
35.	Davies, K.G., Srivastava, A., Kumar, K. and Mohan, S.	2015	Understanding nematode suppressive soils: molecular interactions between <i>pasteuria</i> endospores and the nematode surface coat	<i>Aspects of Applied Biology</i> 130: 143-147	6.0	-
36.	Dutta, T.K., Banakar, P. & Rao, U.	2015	The status of RNAi-based transgenic research in plant nematology	<i>Frontiers in Microbiology</i> 5: 760	10.16	12
37.	Dutta, T.K., Papolu, P.K., Banakar, P., Choudhary, D., Sirohi, A. and Rao, U.	2015	Tomato transgenic plants expressing hairpin construct of a nematode protease gene conferred enhanced resistance to root-knot nematodes	<i>Frontiers in Microbiology</i> 6: 260	10.16	4



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
38.	Fosu-Nyarko, J., Tan, J.A.C.H., Gill, R., Agrez, V.G., Rao, U. and Jones, M.G.K.	2015	De novo analysis of the transcriptome of <i>Pratylenchus zaeae</i> to identify transcripts for proteins required for structural integrity, sensation, locomotion and parasitism	<i>Molecular Plant Pathology</i> 17: 532-552	10.34	6
39.	Jayanthi M, Nagavara Prasad Gantasala, Pradeep Kumar Papolu, Prakash Banakar, Chanchal Kumari and Uma Rao	2015	Identification and Evaluation of Internal Control Genes for Gene Expression Studies by Real-Time Quantitative PCR normalization in different tissues of Tuberose (<i>Polianthes tuberosa</i>)	<i>Scientia Horticulturae</i> 194: 63-70	7.54	-
40.	Jayanthi, M, Susanthi B, Murali Mohan N. And Mandal, P.K.	2015	In vitro somatic embryogenesis and plantlet regeneration from immature male inflorescence of adult <i>dura</i> and <i>tenera</i> palms of <i>Elaeis guineensis</i> (Jacq)	<i>Springer Plus</i> 4: 256	6.0	4
41.	Kumar, P., Ganguly, S. and Somvanshi, V.S.	2015	Identification of virulent entomopathogenic nematode isolates from a countrywide survey in India	<i>International Journal of Pest Management</i> 61: 135-143	6.37	2
42.	Mandal A., Dutta, T.K. and Gupta, R.L.	2015	Microwave-induced synthesis and anti-nemic activity of 4-amino-3-mercapto-5-pyridin-2-yl-4H 1,2,4-triazole Schiff bases	<i>Indian Journal of Chemistry Section B</i> 54: 228-239	6.47	2
43.	Meher H.C., Gajbhiye, Singh G. and Chawla Gautam	2015	Altered metabolomic profile of selected metabolites and improved resistance of <i>Cicer arietinum</i> (L.) against <i>Meloidogyne incognita</i> (Kofoid & White) Chitwood following seed soaking with salicylic acid, benzothiadiazole or nicotinic acid	<i>Acta Physiologiae Plantarum</i> 37: 140	7.56	-
44.	Ngangom Bidyarani, Radha Prasanna, Gautam Chawla, Santosh Babu and Rajendra Singh	2015	Deciphering the factors associated with the colonization of rice plants by cyanobacteria	<i>Journal of Basic Microbiology</i> 55: 404	7.59	5
45.	Pankaj, Sharma H.K., Singh Khajan and Lal Jagan	2015	Management of Rice root-knot nematode, <i>Meloidogyne graminicola</i> in Rice (<i>Oryza sativa</i>)	<i>Indian Journal of Agricultural Sciences</i> 85: 701-4	6.17	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
46.	Tomar, V.V.S., Somvanshi, V.S. and Bajaj, H.K.	2015	Descriptions of <i>Deladenus albizicus</i> n. sp. and <i>D. processus</i> n. sp. (Nematoda: Hexatyline) from Haryana, India	<i>Journal of Nematology</i> 47(1): 52-59	7.33	-
47.	Anil Kumar, Ila Joshi, De-shika Kohli, V. Satheesh, M.Z. Abdin, Anil Sirohi, R. Srinivasan and P.K. Jain	2016	Characterization of root-knot nematode responsive and root-specific promoter containing PIN domain from <i>Arabidopsis thaliana</i> (L.) Heynh	<i>Indian Journal of Genetics & Plant Breeding</i> 76: 75-83	6.28	-
48.	Holajjer P., Kamra, A. and Singh P.	2016	Influence of nematode bacterial interactions on N and P mineralization in soil and on decomposition of crop residues during aerobic composting	<i>Applied Ecology and Environmental Research</i> 14: 283-299	6.50	-
49.	Khan A., Jayanthi M., Nagavara Prasad Gantasala, Bhooshan N., and Uma Rao	2016	A rapid and efficient protocol for in vitro multiplication of genetically uniform <i>Stevia rebaudiana</i> (Bertoni)	<i>Indian Journal of Experimental Biology</i> 54: 477-481	7.17	-
50.	Kumar R., Kushwah J., Ganguly S., Garg V., Somvanshi V.S.	2016	Proteomic Investigation of <i>Photorhabdus</i> Bacteria for Nematode-Host Specificity	<i>Indian Journal of Microbiology</i> 56: 361-367	7.14	-
51.	Kumari, C., Dutta, T.K., Banakar, P. and Rao, U.	2016	Comparing the defence-related gene expression changes upon root-knot nematode attack in susceptible versus resistant cultivars of rice	<i>Scientific Reports</i> 6: 22846	11.23	2
52.	Kundu, A., Saha, S., Walia, S. and Dutta, T.K.	2016	Antinemic Potentiality of Chemical Constituents of <i>Eupatorium adenophorum</i> Spreng Leaves against <i>Meloidogyne incognita</i>	<i>National Academy Science Letters</i> DOI: 10.1007/s40009-016-0439-z	6.35	1
53.	Kundu, A., Saha, S., Walia, S. and Dutta, T.K.	2016	Anti-nemic secondary metabolites produced by <i>Fusarium oxysporum</i> f. sp. ciceris.	<i>Journal of Asia-Pacific Entomology</i> 19(3): 631-636	6.82	-
54.	Papolu, P.K., Dutta, T.K., Tyagi, N., Urwin, P.E., Lilley, C.J. and Rao, U.	2016	Expression of a cystatin transgene in eggplant provides resistance to root-knot nematode, <i>Meloidogyne incognita</i>	<i>Frontiers in Plant Science</i> 7: 1122	10.49	-
55.	Saha, T. and Khan, M.R.	2016	Evaluation of bioformulations for management of root knot nematode (<i>Meloidogyne incognita</i>) infecting tuberoses	<i>Pakistan Journal of Zoology</i> 48: 651-656	6.48	-



Sl. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
56.	Shivakumara, T.N., Papolu, P.K., Dutta, T.K., Kamaraju, D. and Rao, U.	2016	RNAi-induced silencing of an effector confers transcriptional oscillation in another group of effectors in root-knot nematode, <i>Meloidogyne incognita</i>	<i>Nematology</i> 18: 857-870	7.06	-
57.	Somvanshi, V.S., Gahoi, S., Banakar, P., Thakur, P.K., Kumar, M., Sajnani, M., Pandey, P. and Rao, U.	2016	A transcriptomic insight into the infective juvenile stage of the insect parasitic nematode, <i>Heterorhabditis indica</i>	<i>BMC Genomics</i> 17: 166	9.87	-

Faculty Profile

(i) Professors

Sl. No.	Name	Period
1.	Dr. A.N. Srivastava	2007-2008
2.	Dr. D. Prasad	2008-2009
3.	Dr. R.V. Singh	Feb. 2010 – Nov. 2010
4.	Dr. (Mrs.) Sudershan Ganguly	2011-2014
5.	Dr. Anil Sirohi	2014 onwards

(ii) Heads

Sl. No.	Name	Period
1.	Dr. A.N. Srivastava (Acting)	2007-2009
2.	Dr. A.K. Ganguly	2009-2012
3.	Dr. R.K. Jain (Acting)	2012-2013
4.	Dr. (Mrs.) Uma Rao	01-07-2013 onwards

(iii) Faculty Members

Sl. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. (Mrs.) Uma Rao	Ph.D.	Nematode Physiology	10	10
2.	Dr. Anil Sirohi	Ph.D.	Nematode Physiology	8	7
3.	Dr. R.K. Walia	Ph.D.	Nematode Management	-	-
4.	Dr. H.K. Sharma	Ph.D.	Nematode Management	-	-
5.	Dr. (Mrs.) Anju Kamra	Ph.D.	Biological Control	6	3



Sl. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
6.	Dr. A.K. Singh	Ph.D.	Nematode Management	-	-
7.	Dr. M.R. Khan	Ph.D.	Biosystematics	-	-
8.	Dr. Pankaj	Ph.D.	Nematode Management	8	8
9.	Dr. Gautam Chawla	Ph.D.	Biosystematics	5	3
10.	Dr. (Mrs.) Archana U. Singh	Ph.D.	Biological Control	-	-
11.	Dr. Sharad Mohan	Ph.D.	Entomopathogenic Nematology	7	4
12.	Dr. Vishal Somvanshi	Ph.D.	Entomopathogenic Nematology	12	12
13.	Dr. Mahendra Singh*	Ph.D.	Nematode Management	-	-
14.	Dr. Tushar K. Dutta	Ph.D.	Nematode Physiology	7	5
15.	Dr. Bharat Gawade*	Ph.D.	Nematode Physiology	-	-
16.	Dr. (Mrs.) KVVVS Kranti	Ph.D.	Biosystematics	-	-

*Faculty members posted in other Divisions/Sister Institutes



Plant Pathology

V.K. Baranwal, R.K. Saritha, Bishnu Maya Bashyal

Students Awarded Degree

Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
Ph.D. Students					
1.	2007	P.N. Sivalingam	Characterization of begomoviruses affecting tomato	Dr. Anupam Varma	IARI best student of the year, IARI Merit Medal, Prof. M.J. Narsimhan Academic Award, ICAR Jawaharlal Nehru P.G. Award
2.	2007	V. Shanmugan	Pathological and biochemical responses of adult plant resistance in wheat to <i>Puccinia recondita</i> f sp. triticina	Dr. D.V. Singh	-
3.	2007	C.N. Biju	Variability and management of rice tungro disease	Dr. F.R. Niazi	-
4.	2007	M. Periasamy	Studies on mungbean yellow mosaic India virus (MYMIV) transcripts and satellite DNA b role in pathogenesis	Dr. V.G. Malathi	-
5.	2007	R.K. Saritha	Biological characterization and genome organization of Ground nut bud necrosis virus from mungbean (<i>Vigna radiata</i> D) Wilczek	Dr. R.K. Jain	-
6.	2008	M. Tamilvanan	Studies on biological control of rice sheath blight pathogen <i>Rhizoctonia solani</i> Khun	Dr. Janki Kandhari	-
7.	2008	A. Muthu Kumar	Studies on morphological and molecular characterization of biocontrol isolates of <i>Trichoderma</i> species and its telemorph	Dr. Pratibha Sharma	-
8.	2008	K.V. Sumiya	Studies on the etiological agent(s) of potato apical leaf curl disease	Dr. V.G. Malathi	-
9.	2008	Susanta Banik	Studies on variability and management of <i>Sclerotinia sclerotiorum</i> causing stalk rot of cauliflower by non-chemicals methods	Dr. Pratibha Sharma	IARI Gold Medal



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
10.	2008	Honna Reddy	Molecular analysis of defense response genes associated with wheat - <i>Bipolaris sorokiniana</i> system	Dr. Rashmi Aggarwal	-
11.	2008	Sivaraj Sarath Babu	Developing serodiagnostic assay for the detection of <i>Bipolaris sorokiniana</i> causing Spot Blotch in wheat	Dr. Rashmi Aggarwal	-
12.	2008	Ramaraj Gopi	Variability in <i>Bipolaris maydis</i> incitant of foliar blight in maize	Dr. Rashmi Aggarwal	-
13.	2009	Prashant Prakashrao Jambhulkar	Development of bioformulation and delivery system of <i>Pseudomonas fluorescens</i> for the management of bacterial leaf blight (<i>Xanthomonas oryzae</i> pv. <i>oryzae</i>) of rice	Dr. Pratibha Sharma	-
14.	2009	Maryam Aghakhani	Studies on pathogenic and molecular variability in <i>Rhizoctonia bataicola</i> causing dry root rot of chickpea	Dr. S.C. Dubey	-
15.	2009	Mehi Lal	Characterization of variability in <i>Rhizoctonia solani</i> causing sheath blight of rice	Dr. Janki Kandhari	-
16.	2010	A. Parmeshwari	Genome organization of Papaya ringspot virus isolates from India and their biological characterization	Dr. R.K. Jain	IARI Merit Medal
17.	2010	K. Vemana	Biological and molecular characterization of Tobacco streak virus infecting groundnut and its interaction with Groundnut bud necrosis virus	Dr. R.K. Jain	-
18.	2010	Asit Kumar Mandal	Studies on variability and management of <i>Sclerotinia sclerotiorum</i> causing stem rot of chickpea	Dr. S.C. Dubey	Ph.D; Jawahar Lal Nehru Award 2012 for best Ph. D thesis
19.	2011	A.K. Mandal	Studies on variability and management of <i>Sclerotinia sclerotiorum</i> causing stem rot of chickpea	Dr. S.C. Dubey	-
20.	2011	Ram Dayal Meena	Molecular characterization of wheat genotypes for spot blotch (<i>Bipolaris sorokiniana</i>) resistance	Dr. Rashmi Aggarwal	-
21.	2011	M. Durai	Characterization and development of molecular markers for <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> causing chickpea wilt	Dr. S.C. Dubey	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
22.	2011	Prabha K.	Assessment of genetic diversity and seed transmission of mandarivirus infecting citrus	Dr. V.K. Baranwal	Won best poster paper presentation at IVC-2012
23.	2012	Malkhan Singh	Identification and validation of rust resistance genes in wheat through molecular markers	Dr. Rashmi Aggarwal	-
24.	2012	G. Prakash	Management of Sheath Blight (<i>Rhizoctonia solani</i> Kuhn) of Rice through pesticides	Dr. U.D. Singh	-
25.	2012	V. Prasanna Kumari	Understanding the interaction between <i>Bipolaris sorokiniana</i> and wheat during disease development at molecular level	Dr. Rashmi Aggarwal	-
26.	2012	V. Prakasam	Characterization and Management of <i>Alternaria porri</i> incitant of purple Blotch of onion	Dr. Pratibha Sharna	-
27.	2012	Gazala I.F. Saad	Detection and monitoring of yellow mosaic disease of soybean through Spectral analysis	Dr. Parimal Sinha	-
28.	2012	Pramesh D.	Molecular characterization of Garlic common latent virus (<i>GarCLV</i>), development of immuno diagnostic and production of virus free garlic line through tissue culture	Dr. VK Baranwal	-
29.	2012	Sandeep Kumar	Study on virus associated with grapevine leafroll disease in India	Dr. V.K. Baranwal	Merit Medal
30.	2013	P.R. Sabale	Analysis of vegetative compatibility grouping of <i>Fusarium oxysporum</i> f. sp. ciceris and its molecular interaction with chickpea plants	Dr. S.C. Dubey	-
31.	2013	P. Ganeshmurthi	Anastomosis grouping, molecular characterization and development of marker for detection of <i>Rhizoctoniasolani</i> causing wet root rot in chickpea	Dr. S.C. Dubey	-
32.	2013	Om Prakash	Study on population dynamics and effect of pesticides on oseudom on fludomos and tricodarmazian used as antagonists against bacterial leaf blight of rice in ipm system	Dr. Pratibha Sharma	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
33.	2013	D.M.J.B. Senanayke	Studies on synergistic and transgenic relation against potato and potato virus.	Dr. Bikas Mandal	-
34.	2013	S. Vijay Anandraj	Molecular diagnosis of the virus associated with chirke and forkey disease of large cardamom	Dr. Bikash Mandal	-
35.	2014	Susheel Sharma	Genome characterization, infectivity and development of immunodiagnostic for a <i>Badnavirus</i> associated with Banana	Dr. V.K. Baranwal	Best Student Award
36.	2014	Srinivasa N.	Characterisation of potential isolates of <i>Trichoderma</i> species effective against soil-borne pathogens	Dr. T. Prameela Devi	-
37.	2014	Selvamani R.	Epidiomology and diversity of <i>Alternaria brassica</i> (Berk) the causal agent of black leaf spot in crucifers	Dr. Pratibha Sharma	-
38.	2015	C. Manjunath	Development of DNA based detection assay for <i>Puccinia triticia</i> and gene expression studies during host pathogen interaction”	Dr. Rashmi Aggarwal	-
39.	2015	Mathew Baite	Race profiling, diversity analysis and development of molecular marker for detection of <i>Ascochyta rabiei</i> causing blight in chickpea	Dr. S.C. Dubey	-
40.	2015	Priti Sonavane	Taxonomy and DNA barcoding of genus <i>Drechslera</i>	Dr. T. Prameela Devi	Best Poster-IPS
41.	2015	Raj Shekhara H.	Virulence analysis of <i>Magnaportha oryzae</i> isolates from hot pot locations and interference of blast residence in rice land rice	Dr. Pratibha Sharma	-
42.	2015	K. Viswanath	Effect of elevated temperature on rice blast (<i>Magnaporthe oryzae</i>) infection and expression levels of pathogenicity genes	Dr. Parimal Sinha	-
43.	2015	Rajesh Kumar Ranjan	Characterization, survivability of <i>Ralstonia solanacearum</i> and simultaneous detection of of Multiple bacterial pathogens in potato tubers	Dr. Dinesh Singh	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
44.	2015	Vanapalli Chandra Sekhar	Morphology and Selection of Potential Region for DNA Barcoding to Identify <i>Chaetomium</i> Species	Dr. T. Prameela Devi	-
45.	2015	Bheemaraya	Nano-hexaconazole induced responses in <i>Rhizoctonia solani</i> f.sp. <i>sasakii</i> causing banded leaf and sheath blight in maize.	Dr. Robin Gogoi	-
46.	2016	Dama Ram	Phylogenetic re-evaluation of <i>Curvularia bipolaris</i> and Cochliobolus complex and DNA barcoding for identification of Curvulariaspecies	Dr. T. Prameela Devi	Best Poster-IPS
47.	2016	Kartar Singh Chaudhary	Cross infectivity and comparative genomics of <i>Bipolaris sorokiniana</i> and <i>Bipolaris oryzae</i> for characterization of pathogenicity related genes in wheat and rice	Dr. Rashmi Aggarwal	-
48.	2016	Nagmani Sandra	Development of infectious clone and designing gene expression vector based on legume infecting carmovirus in India	Dr. R.K. Jain	-
49.	2016	Neelkanth Hiremani	Virulence and genetic diversity analysis of <i>Fusarium oxysporum</i> f. sp. <i>lentis</i> isolates causing wilt in lentil	Dr. S.C. Dubey	-
50.	2016	Basavaraj	Assessment of genetic diversity within Papaya ringspot virus population and development of virus resistant transgenic papaya	Dr. R.K. Jain	-
51.	2016	Holkar Somnath Kadappa	Development of nucleocapsid (N) protein mediated resistance in watermelon against Watermelon bud necrosis virus	Dr. R.K. Jain	-
M.Sc. Students					
1.	2007	D.M.J.B Senanayake	Studies on begomovirus associated with chilli leaf curl disease	Dr. Anupam Varma	-
2.	2007	B.K. Prasanna Kumar	Genome characterization and variability in <i>Citrus yellow mosaic virus</i>	Dr. V.K. Baranwal	-
3.	2007	Asit Kumar Mandal	Anatomical and biochemical differentiation between Fusarium wilt resistant and susceptible varieties of pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.)	Dr. Parimal Sinha	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
16.	2012	Jaywant Kumar Singh	Characterization of Citrus Tristezavirus isolates originating from Uttarakhand and expression of the coat protein gene	Dr. K.K. Biswas	-
17.	2012	Manoj Kumar Yadav	Biological and molecular characterization of cowpea mild mottle virus associated with soybean mosaic disease in India	Dr. K.K. Biswas	-
18.	2012	Thava Prakash Pandian	Evaluation of Tetep derived blastresistant Basmati rice breeding lines for their reaction to sheath blight disease	Dr. U.D. Singh	IARI Gold Medal Best Student Award
19.	2012	Manjunatha C.	Histopathological and molecular characterization of maize inbred lines against maydisease leaf blight	Dr. Robin Gogoi	-
20.	2012	Mathew Seikholen Baite	Isolation and morphological characterization of ustilaganoidea virens causing false smut of rice	Dr. R.K. Sharma	-
21.	2012	Rishikesh Kumar	Genetics, screening and characterization of type 3 effector genes encoding <i>Xanthomonas</i> outer protein (XOP) in <i>Xanthomonas axonopodis</i> pv. <i>Punicae</i> causing bacterial blight of pomegranate	Dr. K.K. Mondal	-
22.	2013	Vikash Chandra	Development of gene constructs targeting conserved suppressor gene of citrus tristeza virus for transformation of citrus plant	Dr. K.K. Biswas	-
23.	2013	Saju S.S.	Cloning, characterization and functional analysis of cellulase (cellobiohydrolase) genes from <i>Trichoderma</i> spp.	Dr. Pratibha Sharma	-
24.	2013	Abhishek Kumar Dubey	Phenotyping and molecular validation of rice genotype for blast and sheath blight resistance	Dr. U.D. Singh	-
25.	2013	Bharat Raj Meena	Patho typing and genetic screening for type 2 effector in <i>Xanthomonas oryzae</i> p.v <i>oryzae</i> causing bacterial blight of rice	Dr. K.K. Mondal	-



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
26.	2014	Sajad Un Nabi Naingroo	Multilocus gene characterization of sesame phyllody phytoplasma and identification of its insect vector	Dr. G.P. Rao	Gold Medal 2nd Best poster presentation award in National symposium on Functional strategies for tackling emerging diseases of major crops at IARI, New Delhi
27.	2014	Pooja Kumari	Biology and histopathology of false smut pathogen (ustilagionioidea virus) of rice	Dr. R.K. Sharma	-
28.	2014	Devendra Kumar Choudhary	Phenotype analysis and gene expression profiling in <i>Arabidopsis thaliana</i> during its interaction with <i>Ralstonia solanacearum</i>	Dr. Aundy Kumar	Awarded Best poster paper presented during 67th Annual Meeting of Indian Phytopathological Society and National symposium on Understanding host pathogen interaction through science of Omics held in Kozhikode from 16-17 March 2015 for “Microarray analysis of <i>Ralstonia solanacearum</i> induced gene expression in <i>Arabidopsis thaliana</i> ”
29.	2014	Mukesh Kumar	Host surface response of rice and pearl millet isolates of blast fungus causing blast disease in rice and pearl millet	Dr. Parimal Sinha	-
30.	2014	Gopala	Development of screening technique for stalk rot complex of maize (<i>Zea mays</i> L.) caused by <i>Macrophomina phaseolina</i> (Tassi) Goid and <i>Fusarium verticilloides</i> (Sacc) Nirenberg	Dr. Robin Gogoi	-
31.	2015	Verna Coletteleon	Studies on endophytism of trichoderma species in rice against <i>Rhizoctonia solani</i>	Dr. Pratibha Sharma	-
32.	2015	Manish Kumar	Genetic diversity and natural spread sources of brinjal little leaf phytoplasma	Dr. G.P. Rao	Gold Medal
33.	2015	Kuleshwar Prasad Sahu	Metagenomic analysis of rice phyllospheric bacterial communities in relation to blast disease	Dr. Aundy Kumar	Awarded Best poster paper presented during 6th International Conference hosted by Indian Phytopathological Society at New Delhi on 23rd-27th Feb. 2016



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
34.	2015	Rahul Kumar Tiwari	Taxonomy and diversity of powdery mildew fungi of cucurbits	Dr. R.K. Sharma	-
35.	2015	Pradeep Kumar	Development of species specific PCR based diagnosis for begomovirus infecting tomato in India	Dr. Bikash Mandal	-
36.	2015	Gopi Kishan	Decephering the mechanism of hyperparasitism by Trichoderma Spp. against <i>Sclerotinia sclerotiorum</i> causing whill rat of mustard crop	Dr. Pratibha Sharma	-
37.	2016	Rubin Debbarma	Polyphasic taxonomy for species delineation of genus <i>Penicillium</i>	Dr. Deeba Kamil	-
38.	2016	Ramyashree Devi G.S.	Characterization and identification of species and races of <i>Xanthomonas</i> associated with bacterial leaf spot of pepper	Dr. Dinesh Singh	-
39.	2016	Sunil Kumar Sunani	Understanding the seed borne infection of <i>Fusarium fujikuroi</i> inciting bakanae disease of rice	Dr. Bishnu Maya Bashyal	Best poster award, National symposium 2017, IPS
40.	2016	Veena K.H.	Response of candidate pathogenicity genes of <i>Colletotrichum orbiculare</i> inciting cucumber anthracnose to oxidative stress and plant phenolics	Dr. V. Shanmugam	
41.	2016	Saurabh Kumar Dubey	Genetic manipulation in the genome of Soybean yellow mottle mosaic virus (SYMMV) and infectivity analysis for exploring its potentiality as a transient gene delivery system	Dr. Anirban Roy	Young Scientist Award 2016 of Indian Virological Society

Foreign Students Awarded Degree

Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
Ph.D. Students					
1.	2007	Ahmad Rouhibakhsh	Studies on the role of “pre coat protein” (ORFAV2) in mungbean yellow mosaic India virus infecting grain legumes	Dr. V.G. Malathi	Iran
2.	2008	Mousa Najafinia	Characterization of isolates of <i>Fusarium oxysporum</i> causing cucumber wilt in India	Dr. Pratibha Sharma	Iran



Sl. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/Distinction
3.	2009	Maryam Aghakhani	Studies on pathogenic and molecular variability in <i>Rhizoctonia bataicola</i> causing dry root rot of chickpea	Dr. S.C. Dubey	Iran
4.	2011	I.A. Saad Gazalla	Detection and monitoring of yellow mosaic disease of soybean through its spectral analysis	Dr. Parimal Sinha	Libiya
5.	2013	Al -viani	Fore casting potential distribution of spot blotch in wheat for Indo-Gangetic Plains under climate change scenario	Dr. Parimal Sinha	Iran
M.Sc. Students					
1.	2007	D.M.J.B. Senanayake	Studies on begomovirus associated with chilli leaf curl disease	Dr. Anupam Varma	Sri Lanka
2.	2008	Alemayheu Getachew	Morphological and molecular identification of <i>Aspergillus</i> species	Dr. T. Prameela Devi	Ethopia
3.	2011	Fatemah Rahimi	Studies on Endosymbionts in the whitefly <i>Bemisia tabaci</i> and its role in transmission of <i>Cotton leaf curl Rajasthan virus</i>	Dr. V.G. Malathi	Iran
4.	2014	Hafizullah Sahnouri	Management of bakanae disease of rice using fungicides and biocontrol agents	Dr. Rashmi Aggarwal	Afganistan
5.	2015	Verna Coletteleon	Studies on endophytism of trichoderma species in rice against <i>Rhizoctonia solani</i>	Dr. Pratibha Sharma	Seychelles

Training/Winter/Summer School/Workshop organized

Sl. No.	Year	Name of the Training	No. of Trainees	Name(s) of the course director and co-ordinator
1.	2007	Biocontrol of plant pathogens held at Centre of Advanced studies in Plant Pathology	21	R.K. Jain, Pratibha Sharma, S.C. Dubey and Dinesh Singh
2.	2008	Detection of bacterial plant pathogens: Symptomatology to advanced techniques	15	R.K. Jain, Dinesh Singh, K.K. Mondal and J. Gopalakrishanan
3.	2008	Cultivation of Summer Mushrooms	51	Dr. B.L.Dhar
4.	2008	ELISA and PCR based diagnostics for virus indexing	16	Dr. V.K. Baranwal
5.	2008	Mushroom cultivation	50	Dr. R.K. Sharma
6.	2009	Biodiversity, taxonomy, conservation and characterization of fungi	17	Dr. T. Prameela Devi
7.	2009	Molecular diagnostics for fastidious prokaryotes, viruses and viroids	20	Dr. Padma Ramachandran
8.	2009	Mushroom cultivation	34	Dr. R.K. Sharma



Sl. No.	Year	Name of the Training	No. of Trainees	Name(s) of the course director and co-ordinator
9.	2009	Biodiversity, Taxonomy, Conservation and Characterisation of Fungi	17	Dr. R.K. Jain Dr. T. Prameela Devi Dr. C. Uma Maheswari Dr. R.K.Sharma
10.	2010	Viral Genomics and Transgenic Development	20	Dr. R K Jain Dr. Shelly Praveen
11.	2010	Pathogenomics and Diagnostics- Cloning, sequencing and bioinformatics of genomic regions of plant pathogens and developing diagnostics (Winter School- 1.12.2010-10.12.2010)	15	Dr. R.K. Jain, Dr(s) R. Aggarwal, S.C. Dubey, Dinesh Singh and R.K. Jain
12.	2011	A three day training cum workshop on Advances in phenomic and genomics of <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> - the cause of pomegranate bacterial blight in IARI-Regional Station, Pune from 28-30 July, 2011	17	Dr. Aundy Kumar
13.	2011	CAFT training on Monitoring and Forecasting of Plant Disease Epidemics under Climate Change Scenario	21	Dr. R.K. Jain Dr. Parimal Sinha Dr. Robin Gogoi
14.	2012	Genomics and Diagnostics of Agriculturally Important Emerging Phytopathogens (3-23 Oct., 2012)	20	Dr. R.K. Jain Dr(s) V.K. Baranwal, Rashmi Aggarwal, Aundy Kumar
15.	2012	National Resource person for a NAIP sponsored training in TNAU from 24th Feb. to 10 March, 2012	20	Dr. Aundy Kumar
16.	2012	Mushroom Production	20	Dr. R.K. Sharma Dr. Deeba Kamil
17.	2013	Understanding of mechanism of host-pathogen bio-agent interaction and sustainable bio- management strategy for threatening crop diseases (24 Sept. to 14 Oct., 2013)	25	Dr. R.K Jain Dr(s) Pratibha Sharma, Rashmi Aggarwal, S.C. Dubey and Dinesh Singh
18.	2013	Subject Matter Training on Crop Protection (Plant Pathology) for the Scientists, Islamic Republic of Afghanistan (August 1, 2013 to 31 January 2014)	25	Dr. Pratibha Sharma
19.	2014	(Model Training Course) MTC on “Ecofriendly management of major diseases of crops” (October 27 to November 3, 2014)	9	Dr. Pratibha Sharma
20.	2014	Eco-friendly Management of Major Diseases of Crops model training course (Oct. 27, 2014 to Nov. 3, 2014)	9	Dr. Pratibha Sharma/ Dr. Rashmi Aggarwal Dr(s) Pratibha Sharma, Dinesh Singh and G. Prakash
21.	2014	Genomics of Plant virus for diagnosis and utilisation as gene expression tool (15.10.14-6.11.14)	19	Dr. Rashmi Aggarwal; Dr(s) Bikash Mondal, Anirban Roy, G.P. Rao and V.K. Baranwal
22.	2015	Genetic and pathogenic characterisation towards managing nationally important pathogens causing wilt and blight (Jan. 13 to Feb. 2, 2015)	21	Dr. Rashmi Aggarwal Dr(s) Pratibha Sharma, Dinesh Singh, K.K. Mondal, Parimal Sinha



Sl. No.	Year	Name of the Training	No. of Trainees	Name(s) of the course director and co-ordinator
23.	2015	Advanced training cum workshop on fungal taxonomy (13.04.15-18.04.15)	-	Rashmi Aggarwal
24.	2015	Refresher course cum training on bio-pesticide testing	4	Dr. Rashmi Aggarwal Dr. Deeba Kamil
25.	2015	Plant Disease Diagnostics and their Management (Oct. 13 to Nov. 2, 2015)	18	Dr. R. Aggarwal Dr(s). V.K Baranwal, Robin Gogoi and Dinesh Singh
26.	2015	ELISA and PCR based diagnostics for virus indexing (Nov. 17-21, 2015)	8	Dr. V.K Baranwal Dr. Saritha R.K.
27.	2015	CAFT training on Plant Disease Diagnostics and Management	23	Dr. Rashmi Aggarwal Dr. V.K. Baranwal, Robin Gogoi and Dinesh Singh
28.	2016	Functional analysis of pathogenicity genes of plant pathogens (2-22 Jan., 2016)	16	Dr. Rashmi Aggarwal Dr. Kalyan K. Mondal Dr. Shelly Praveen Dr. V. Shanmugam
29.	2016	Fungal diversity and new trends in taxonomy through DNA Barcoding and Chemo-profiling	22	Dr. Rashmi Aggarwal Dr(s). T. Prameela Devi, Lakshman Prasad and Deeba Kamil

Training received by the Faculty Members within India

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. Robin Gogoi	Advanced biochemical and molecular techniques held at Centre of Advanced Studies in Biochemistry, IARI	September 13 to October 10	IARI, New Delhi
2.	2008	Dr. Robin Gogoi	Training on RNAi vector construction	March 20 to May 20	School of Life Sciences, J.N.U., New Delhi
3.	2009	Dr. Robin Gogoi	RNAi vector construction	March 20 to May 20, 2009	School of Life Sciences, Jawaharlal Nehru University, New Delhi
4.	2010	Dr. Robin Gogoi	Inbred-Hybrid technology in maize and field day	March 12-14	DMR ANGRAU, Hyderabad
5.	2010	Dr. Bishnu Maya Basyal	Winter school on "Pathogenomics and diagnostics -cloning sequencing and bioinformatics of genomic regions of plant pathogens and developing diagnostics	10 days	ICAR-IARI, New Delhi
6.	2013	Dr. G.P. Rao	Orientation Course for Post Entry Quarantine Inspection Authorities	Feb. 25 to March 1, 2013	National Instt. of P.I. Health Management, Hyderabad



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
7.	2013	Dr. Bishnu Maya Basyal	National training on Project formulation, risk assessment, scientific report writing and presentation	5 days	ICAR-IARI, New Delhi
8.	2013	Dr. Lakshman Prasad	Management information system (MIS) and financial management system (FMS)	August 29-30, 2013	ICAR organized by ASRB, New Delhi
9.	2013	Dr. G. Prakash	CAFT Training on Understanding of the mechanism of host-pathogen interaction and sustainable management strategy for threatening crop diseases	21 days (24.9.2013 to 14.10.2013)	IARI, New Delhi
10.	2014	Dr. Lakshman Prasad	Agricultural Research Management	November 10-22, 2014	NAARM, Hyderabad
11.	2014	Dr. Basavaraj	CAFT training on “Advances in Omics Data Analysis; Learning by Examples” from	21 days 3-23 December, 2014	Division of Comp. Appli. and Agri. Bioinformatics, IASRI, New Delhi
12.	2015	Dr. Bishnu Maya Basyal	Advanced training cum workshop on “Fungal taxonomy”	6 Days	ICAR-IARI
13.	2015	Dr. T. Prameela Devi	Fungal taxonomy	April 13-18, 2015	Division of Plant Pathology, ICAR-IARI, New Delhi
14.	2016	Dr. Malkhan Singh Gurjar	“Functional analysis of pathogenicity genes of plant pathogens”	January 2-22, 2016	IARI, New Delhi
15.	2016	Dr. Deeba Kamil	Microbial Systematics	March 8-12, 2016	MTCC, CSIR-IMTECH, Chandigarh
16.	2016	Dr. Basavaraj	Short term training program on “Applications of Marker Assisted Selection and Transgenic Development for Crop Improvement”	February 18-20, 2016	NRCPB, New Delhi
17.	2016	Dr. R.P. Pant	Plant Quarantine National Regulations and Procedures	5 days	National Institute of Plant of Plant Health Management

Training received by the Faculty Members Outside India

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. Dinesh Singh	Identification of resistance genes against bacterial blight of rice through marker assisted selection	February 6 to 5 May, 2007	IRRI, Philippines
2.	2008	Dr. B.L. Dhar	Organic Button Mushroom (<i>Agaricus bisporus</i>) production, quality, procedure and pesticide residue analysis	September 29 to October 3	Germany



Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
3.	2009	Dr. Parimal Sinha	Received training as visiting academic fellow under commonwealth Academic Staff Fellowship 2009 programme. Research work carried out titled "Immunodetection and quantification of Brassica dark leaf spot and downy mildew in sorghum and sunflower"	November 6, 2009 to May 5, 2010	Horticulture Research International, University of Warwick, Wellesbourne CV35 9EF, UK
4.	2010	Dr. Kalyan K. Mondal	Training in the area of bacterial effector protein mediated host-pathogen interaction	April 15 to July 13	Stanford University, California, USA
5.	2010	Dr. Robin Gogoi	Wheat Improvement and Pathology course	November 29 to December 12, 2010	Bhairahawa, Nepal under the CSISA project of CIMMYT funded by BMGF, USAID and the World Bank
6.	2011	Dr. Deeba Kamil	DNA barcoding	November 28 to December 3, 2011	University of Adelaide, Adelaide, Australia
7.	2012	Dr. Robin Gogoi	Processes for handling nano materials and post-harvest preservation against pathogens of food materials	June 3-17, 2012	University of Manitoba, Winnipeg MB, Canada under the NAIP (Component 4) on "Designing & studying nano pesticides"
8.	2014	Dr. Pratibha Sharma	13th International Trichoderma and <i>Gliocladium</i> Workshop (TGT 2014)	October 18-24, 2014	Shanghai, China
9.	2016	Dr. Amalendu Ghosh	Endeavour Research Fellowship sponsored by Australian Government	June 1 to 30 November, 2016	University of Queensland, Australia

Awards Conferred on the Faculty Members

Sl. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave Award
1.	2007	Dr. R.K. Jain	Fellow, Indian Virological Society	Indian Virological Society
2.	2007	Anupam Varma	Kameshwar Sahai Bhargava award for his outstanding contributions to the field of Plant Virology	Indian Virological Society
3.	2007	Dr. V.G. Malathi	Khwarizmi International Award	Iran Govt.
4.	2007	Dr. Dinesh Singh	SPPS Fellow	Society of Plant protection Sciences, New Delhi
5.	2007-09	Dr. Bishnu Maya Bashyal	ICAR's Senior Research Fellowship	ICAR



Sl. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave Award
6.	2008-11	Dr. V.K. Baranwal	Secretary	Indian Virological Society
7.	2008	Dr. Dinesh Singh	Dr. M.M. Alam Medal Communication Centre, Allahabad	Bioved Research Society, Allahabad
8.	2008	Dr. K.K. Mondal	Prof. M.K. Patel Memorial Young Scientist award	Indian Phytopathological Society, New-Delhi
9.	2008	Dr. P. Ramachandran	Best Poster Award	IPS- National Symposium (Zonal Chapter) G.B. Pant University, Utrakhand
10.	2008	Dr. Robin Gogoi	Prof. H.C. Dube Outstanding Young Scientist Award, First Prize in Scientific Poster Competition in Hindi Workshop	Indian Society of Mycology & Plant Pathology, Mysore Division of Extension Education, IARI
11.	2008	Dr. Rashmi Aggarwal	Indian Phytopathological Society held at Mahabaleshwar, Maharashtra from 10-12 Jan., 2008	Best Poster Award (Commendation certificate)
12.	2008	Dr. Bishnu Maya Bashyal	Best poster award	Banaras Hindu University
13.	2008	Dr. Lakshman Prasad	ITA-2008	INSA, New Delhi
14.	2009	Dr. V.G. Malathi	Best Woman Agriculture Scientist Award	ICAR
15.	2010	Dr. R.K. Jain	VASVIK-2007 award in the field of Agriculture Sciences	Vividhlaxi Audyogik Samshodhan Vikas Kendra (VASVIK)
16.	2010	Dr. Pratibha Sharma	Outstanding Women Scientist Award	Indian Phytopathological Society
17.	2010	Dr. G.P. Rao	Outstanding Scientist Award 2010	BHU, Varanasi
18.	2010	Dr. Kajal Biswas	SPSS Meritorious Scientist Award	Society of Plant Protection Sciences, New Delhi
19.	2010	Dr. Rashmi Aggarwal	Zonal President	Indian Phytopathological Society
20.	2010	Dr. Dinesh Singh	Young Scientist Associate Award	Bioved Research & Communication Centre, Allahabad
21.	2010	Dr. Dinesh Singh	Fellow of Indian Phytopathological Society (FIPS)	Indian Phytopathological Society, Division of Plant Pathology, IARI, New Delhi
22.	2010	Dr. Dinesh Singh	Best Poster Presentation in National Conference on Advances in Plant Pathology March 11-12, 2010 at CAS in Botany, Univ. of Madras, Chennai	Univ. of Madras, Chennai
23.	2011	Dr. Rashmi Aggarwal	Editor	Indian Phytopathological Society
24.	2011	Dr. Robin Gogoi	Fellow FPSI	Indian Phytopathological Society



Sl. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave Award
25.	2011	Dr. R.K. Jain	Dr. Hari Kishan Shastri Award	Post Graduate School, IARI
26.	2011	Dr. Pratibha Sharma	SAB Women Scientist Award	Society for Applied Biotechnology
27.	2011	Dr. Pratibha Sharma	IPS K.C. Mehta and Manoranjan Mitra Award for review article	Indian Phytopathological Society
28.	2011	Dr. Pratibha Sharma	Indian Society of Ornamental Horticulture (ISOH) Fellowship	Indian Society of Ornamental Horticulture
29.	2011-12	Dr. K.K. Mondal	Associate editor, Indian Phytopathology Society	Indian Phytopathology Society
30.	2012	Dr. Rashmi Aggarwal	Prof. M.J. Narasimhan Medal, jointly for the best paper entitled "Development of specific primers for detection of Karnal bunt pathogen of wheat" appeared in Indian Phytopathology Vol. 64	Indian Phytopathological Society
31.	2012	Dr. R.K. Jain	Vice President, IVS	Indian Virological Society
32.	2012	Dr. V.K. Baranwal	Fellow of IVS	Indian Virological Society
33.	2012	Dr. V.K. Baranwal	Member	National Academy of Sciences India
34.	2012	Dr. V.K. Baranwal	Best poster paper presentation. Determination of tridimensional structure of <i>Mandarivirus</i> coat protein (in silico). Prabha K. and Baranwal, V.K.	Indian Virological Society at 'Virocon 2012'; Immunobiology and Management of Viral Diseases in 21st Century, 8-10 November 2012, IVRI Mukteswar Campus, Nainital - 263138, Uttarakhand
35.	2012	Dr. Robin Gogoi	Fellow of ISMPP	Indian Society of Mycology and Plant Pathology, Udaipur (Rajasthan)
36.	2013	Dr. G.P. Rao	Plant Virology Leadership Award at National Conference on Microbes promoting crop health, productivity & sustainability	Zonal Meeting, Indian Phytopathological Society (MEZ) (October, 26-27, 2013) CIMAP, Lucknow
37.	2013	Dr. Pratibha Sharma	Member, Councillor, International Society of Plant Protection, Professional Societies	International Society of Plant Protection, Professional Societies
38.	2013	Dr. Pratibha Sharma	Member, Task Force of Global Food Security of International Society of Plant Protection, Professional Societies	International Society of Plant Protection, Professional Societies
39.	2013	Dr. S.C. Dubey	Member of Editorial Board, Plant Disease Research	PAU, Ludhiana, Punjab
40.	2013	Dr. S.C. Dubey	Member, National Academy of Biological Sciences (NABS), Tamil Nadu, India	National Academy of Biological Sciences
41.	2013	Dr. K.K. Mondal	Member NASI	National Academy of Sciences India



Sl. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave Award
42.	2013	Dr. K.K. Mondal	Best Paper Award in 4th International Conference on Bacterial Blight of Rice held Dec. 2-4, 2013 at CCMB, Hyderabad, India	CCMB, Hyderabad, India
43.	2013	Dr. Robin Gogoi	M.J. Narasimhan Medal Award for Best research paper	Indian Phytopathological Society
44.	2013	Dr. Dinesh Singh	Late shri P.P. Shinghal Memorial Award	Society of Plant Protection Sciences, New Delhi
45.	2013-16	Dr. T.P. Devi	Elected as Honorary council member, Executive council of the	Indian Mycological Society
46.	2014	Dr. Rashmi Aggarwal	Fellow of Society of Biocontrol Advancement	Society of Biocontrol Advancement, Bengaluru
47.	2014	Dr. Rashmi Aggarwal	K.C. Mehta and Manoranjan Mitra award (IPS)	Indian Phytopathological Society
48.	2014	Dr. Pratibha Sharma	National Agri Awards, Krishi Anusandhan and Kisan vikas Foundation (Crystal crop Protection ltd)	Agriculture and Rural Development Minister
49.	2014	Dr. V.K. Baranwal	Fellow	Indian Phytopathological Society
50.	2014	Dr. G.P. Rao	General Secretary of Indian Virological Society	Indian Virological Society
51.	2014	Dr. G.P. Rao	Member of Pathology Committee of International Phytoplasma Working Group Italy	International Phytoplasma Working Group, Italy
52.	2014	Dr. G.P. Rao	Editor-in-Chief	International Research Journal "Phytopathogenic Mollicutes"
53.	2014	Dr. K.S. Hooda	President, Indian Phytopathological Society (Delhi chapter)	Indian Phytopathological Society
54.	2014	Dr. Vaibhav Kumar	Dr. R.S. Paroda Medal-2014 for outstanding contribution in the field of Plant Pathology	Bioved Research Institute of Agriculture & Technology (BRIAT) and Bioved Research Society (BRS), Allahabad, Uttar Pradesh
55.	2014-16	Dr. T.P. Devi	Nominated as an Editor (Mycology) of the Journal Indian <i>Phytopathology</i> the year	Indian Phytopathological Society
56.	2014	Dr. Basavaraj	Best Scientific Poster Award (II Prize)	"National Conference on Challenges and Opportunities for Production & Supply Chain of Pomegranate" held at UHS Bagalkot, Karnataka, India (Abstract). 17-19 June 2014
57.	2014	Dr. V. Shanmugam	Fellow of the Society for Biocontrol Advancement (FSBA)	Society for Biocontrol Advancement National Bureau of Agricultural Insect Resources, Bangalore
58.	2014	Dr. Robin Gogoi	Best Scientific Poster Award	12th Asian Maize Conference held during October 30 to November 1, 2014 at Bangkok, Thailand



Sl. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave Award
59.	2014	Dr. Robin Gogoi	Dr. K.V.P. Menon Best Poster Award	Indian Phytopathological Society in the 66th Annual Meeting and National Symposium on "Plant pathology in Genomic Era" held at IGKV, Raipur. May 26-28, 2014
60.	2015	Dr. G.P. Rao	Dr Ram Badan Singh Vishisht Krishi Vaigyanik Puraskar-2014	UPCAR, Lucknow, Uttar Pradesh
61.	2015	Dr. Rashmi Aggarwal	Best Poster Award (Commendation certificate)	Indian Phytopathological Society, 23-27 Feb., 2016
62.	2015	Dr. Rashmi Aggarwal	Best Poster Award (III prize)	Indian Phytopathological Society, 23-27 Feb., 2016
63.	2015	Dr. Rashmi Aggarwal	Best Poster Award (II Prize)	Society for Plant Biochemistry and Biotechnology, 9-11 August, 2015
64.	2015	Dr. Lakshman Prasad	Fellow Award-2015	Society of Plant Research, Meerut
65.	2015	Dr. Anirban Roy	Fellow of West Bengal academy of Science and Technology	West Bengal Academy of Science and Technology
66.	2015	Dr. S.C. Dubey	Dastur Memorial Lecture Award	Indian Phytopathological Society, New Delhi
67.	2015	Dr. Robin Gogoi	Best Scientific Poster Award	Society of Pesticide Science, India
68.	2016	Dr. V.K. Baranwal	Fellow NAAS	National Academy of Agriculture Sciences
69.	2016	Dr. G.P. Rao	Zonal President (Delhi Zone)	Indian Phytopathological Society
70.	2016	Dr. Dinesh Singh	Reviewer Excellence Award	Agricultural Research Communication Centre, Karnal, India
71.	2016	Dr. Dinesh Singh	J. P. Verma Memorial Award	Indian Phytopathological Society, Division of Plant Pathology, IARI, New Delhi
72.	2016	Dr. Kalyan K. Mondal	Prof. JP Verma Memorial Award	Indian Phytopathological Society, New Delhi
73.	2016	Dr. Bishnu Maya Bashyal	Best Poster Award	Society for Plant Biochemistry and Biotechnology, New Delhi
74.	2016	Dr. Malkhan Singh Gurjar	Commendation certificate for poster presentation	Indian Phytopathological society in 6th International conference
75.	2016	Dr. Malkhan Singh Gurjar	Young Scientist Award-2016	Society for Recent Development in Agriculture
76.	2016	Dr. Lakshman Prasad	Overall best oral presentation	SPR
77.	2016	Dr. Robin Gogoi	Best scientific poster award	Indian Phytopathological Society
78.	2016	Dr. Robin Gogoi	Best scientific poster award	Indian Phytopathological Society



Sl. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave Award
79.	2016	Dr. Deeba Kamil	IPS M.K. Patel Memorial Young Scientist Award	Indian Phytopathological Society, New Delhi
80.	2016	Dr. G. Prakash	Best Poster Award	Indian Phytopathological Society
81.	2016	Dr. R. P. Pant	Fellow of Phytopathological Society	Indian Phytopathological Society
82.	2016	Dr. V.K. Baranwal	Best Poster Award	Indian Horticultural Society International conference
83.	2016	Dr. Basavaraj	Commendation Certificate award for scientific poster presentation	6th International Conference on "Plant, Pathogens and People: Challenges in Plant Pathology to benefit humankind". Indian Phytopathological Society (IPS), New Delhi from February 23-27, 2016

Faculty Participation in International Conference/Seminar/Assignments

Sl. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignment	Duration	Place Visited
1.	2007	Dr. Dinesh Singh	Identification of resistance genes through marker assisted selection	February 6 to May 5, 2007	IRRI, Phillipines
2.	2007	Dr. T.P. Devi	2nd Asian congress of Mycology and Plant Pathology	December 19-22, 2007	Hyderabad, A.P
3.	2008	Dr. R.K. Jain	IX International Symposium on Thysanoptera and Tospoviruses (ISTT 2009)	August 31 to September 4, 2008	Brisbane, Australia
4.	2009	All the faculty members of the division	5th International Conference on Plant Pathology in the globalized era	November 10-13, 2009	IARI, New Delhi
5.	2010	Dr. V.K. Baranwal	Seminar on Citrus Research and Education	April 9-15, 2010	CERC, Florida, USA
6.	2011	Dr. Pratibha Sharma	Joint Meeting of American Phytopathology Society and International Plant Protection Congress (APS-IPPC)	August 6-10, 2011	Honolulu, Hawaii
7.	2011	Dr. Pratibha Sharma	Conference on Biopesticides 6 (ICOB 6)	December 11-16, 2011	Chiang Mai, Thailand
8.	2011	Dr. G.P. Rao	Intern. Phytoplasma Workshop	September 11-16	Neustadt, Germany
9.	2011	Dr. G.P. Rao	4th International Sugar Conference on Balancing Sugar and Energy Production in Developing Countries: Sustainable Technologies and Marketing Strategies, New Delhi	November 21-25, 2011	New Delhi
10.	2011	Dr. Robin Gogoi	11th Asian Maize Conference	November 7-11, 2011	Nanning Guangxi Province, PR China



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignment	Duration	Place Visited
11.	2011	Dr. Deeba Kamil	4th International barcode of life conference	Nov. 28 to Dec. 3, 2011	University of Adelaide, Adelaide, Australia
12.	2012	Dr. V.K. Baranwal	Study visit on improved diagnostic of Banana streak virus	1 week	Australia
13.	2012	Dr. G.P. Rao	10th ISSCT Pathology Workshop	May 7-11, 2012	Nanning, China
14.	2012	Dr. T.P Devi	Agrochemicals protecting crops, Health and natural environment, during	February 15-18, 2012	IARI, New Delhi
15.	2012	Dr. T.P. Devi	International conference on "Biotechnology: a rendezvous with basic sciences for Global Prosperity (BTBS-2012)"	December 26-27, 2012	NASC Complex, Pusa, New Delhi
16.	2012	Dr. Aundy Kumar	28th New Phytologist Symposium on Function and Ecology of the plant microbiome	May 18-21, 2012	Aldemar Hotel, Rhodes, Greece
17.	2012	Dr. Deeba Kamil	International conference on "Biotechnology: a rendezvous with basic sciences for Global Prosperity (BTBS-2012)"	December 26-27, 2012	NASC Complex, Pusa, New Delhi
18.	2013	Dr. Pratibha Sharma and Dr. KK. Mondal	10th International Congress of Plant Pathology (ICPP 2013) under the sponsorship IRRI STRASA Project	August 25-30, 2013	Beijing, China
19.	2013	Dr. Basavaraj	"Asia-Pacific Congress of Virology" organized by Indian Virological Society (IVS)	December 17-20, 2013	Amity University, New Delhi
20.	2013	Dr. Vaibhav Kumar Singh	5th global CIMMYT programme on "Standardization of stem rust note taking and evaluation of germplasm, with emphasis on emerging threats of yellow rust and brown rust"	11 days (from 22 September to 02 October, 2013)	Kenya Agricultural Research Institute (KARI), Njoro, Kenya
21.	2013	Dr. Robin Gogoi	BGRI Technical Workshop celebrated for 50 years of Norman Borlaug's Legacy	August 19-22, 2013	New Delhi
22.	2013	Dr. S.C. Dubey	10th International Congress of Plant Pathology (ICPP 2013) on Bio-security, Food Safety and Plant Pathology: The Role of Plant Pathology in a Globalized Economy	August 25-30	Beijing, China
23.	2014	Dr. G.P. Rao	International Sugarcane Conference (IS-2014)	November 25-28, 2014	Nanning, China



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignment	Duration	Place Visited
24.	2014	Dr. G.P. Rao	International Conclave on Sugar crops: Sweeteners and Green Energy from Sugar crops: Emerging Technologies	February 15-17, 2014	Indian Institute of Sugarcane Research, Lucknow
25.	2014	Dr. K.S. Hooda	12th Asian Maize Conference and Expert Consultation on Maize for Food, feed, Nutrition and Environmental Security	October 30 to 1 November, 2014	Bangkok, Thailand
26.	2015	Dr. G.P. Rao	3rd Intl Phytoplasma Working Group	Jan. 5-8, 2015	Mauritius
27.	2016	Dr. V.K. Baranwal	XIII International Citrus Congress	September 18-23, 2016	Iguacu, Brazil
28.	2016	Dr. Malkhan Singh Gurjar	International conference on "Global Agriculture & Innovation Conference" (GAIC-2016)	November 27-29, 2016	Noida International University, Noida, UP
29.	2016	Dr. Kalyan K. Mondal	ICBB05 (5th Int. Conf. on Bacterial Blight of Rice)	October 16-20, 2016	Manila, Philippines
30.	2016	All the faculty members of the division	Sixth International Conference on Plant, Pathogens and People; Challenges in Plant Pathology to Benefit Humankind, IPS, New Delhi	February 23-27, 2016	NASC, IARI, New Delhi
31.	2016	Dr. Lakshman Prasad	International Conference on Integrating Climate, Crop, Ecology - The Emerging Areas of Agriculture, Horticulture, Livestock, Fishery, Forestry, Biodiversity And Policy Issues	June 4, 2016	JNU, New Delhi
32.	2016	Dr. T.P Devi	International conference on "Advances in Plant and Microbe Research"	January 6-8, 2016	Acharya Nagarjuna University, Guntur (A.P)
33.	2016	Dr. T.P Devi	3rd International IUPAC conference Agrochemicals protecting crops, health and natural environment	April 6-9, 2016	NASC Complex, New Delhi
34.	2016	Dr. T.P Devi	13th "Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM)" on "Microbial Resource Centres and Conservation of Microbial Diversity"	November 8-10, 2016	MTCC, IMTECH, Chandigarh
35.	2016	Dr. T.P. Devi	"14th International Workshop on Trichoderma and Gliocladium (TG2016)-Principles to Practice"	November 27-30, 2016	Nagpur, Maharashtra



Sl. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignment	Duration	Place Visited
36.	2016	Dr. Deebea Kamil	3rd International IUPAC Conference on Agrochemicals Protecting Crops, Health and Natural Environment	April 6-9, 2016	New Delhi
37.	2016	Dr. G. Prakash	7th International Rice Blast Conference on on New Insights Into The Rice-Magnaporthe oryzae Interactions for Better Management of Rice Blast	October 9-14, 2016	Alabang, Philippines
38.	2016	Dr. Srinivasa N.	<i>Trichoderma</i> and <i>Gliocladium</i> International Workshop	November 27-30, 2016	Nagpur

List of Publications (M.Sc. and Ph.D. Students)

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Muthu Kumar A. and Sharma Pratibha	2007	Taxonomic characters and its relation with biocontrol efficacy of <i>Trichoderma</i>	<i>Indian Phytopathology</i>	4.0	-
2.	Srinivas, P., Aggarwal, R. and Sharma, R.C.	2007	Variability in sclerotial morphology <i>Rhizoctonia solani</i> f. sp. <i>sasakii</i> incitant of banded leaf and sheath blight of maize as revealed through Scanning Electron Microscope	<i>Indian Phytopathology</i> 60: 58-62	4.59	2
3.	Honnareddy, N. and Dubey, S.C.	2007	Morphological characterization of Indian isolates of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> causing chickpea wilt	<i>Indian Phytopath.</i> 60: 373-376	4.59	-
4.	Goutam Mandal, Singh, D. and R.R. Sharma	2007	Effect of hot water treatment and bio control agent (<i>Debaryomyces hansenii</i>) on shelf life of peach	<i>Indian J. Hort.</i> 64 (1): 25-28	6.13	8
5.	Saritha, R.K and R.K. Jain	2007	Nucleotide sequence of S and M RNA segments of <i>Groundnut bud necrosis virus</i> isolate from <i>Vigna unguiculata</i> in India	<i>Arch. Virol.</i> 152: 1195-1200	8.39	16
6.	Jambhulkar Prashant and Janki Kandhari	2008	Persistence of plant products, antagonists and fungicides on rice seeds after storage	<i>Indian Phytopathology</i> 61:523-525	4.0	
7.	Ahammed S.K., Aggarwal, R., Sneha and Kapoor, H.C.	2008	Production, partial purification and characterization of extracellular xylanase from <i>Chaetomium globosum</i>	<i>Journal of Plant Biochemistry and Biotechnology</i> 17: 95-98	7.09	5



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
8.	Ahammed S.K., Aggarwal, R. and Srivastava, K.D.	2008	Production of extracellular proteins and cellulases by different isolates of <i>Chaetomium globosum</i>	<i>Indian Phytopathology</i> 61(4): 437-440	4.59	-
9.	Jahani, M., Rashmi Aggarwal, K.D. Srivastava, Renu., Parameswari, B. and Jain R.K.	2008	Genetic differentiation of <i>Bipolaris</i> spp. Based on RAPD markers	<i>Indian Phytopathology</i> 61(4): 449-455	4.59	-
10.	Srinivasan, A., Srivastava, K.D., Aggarwal, R. and Singh, D.V.	2008	Susceptibility of wheat to <i>Bipolaris sorokiniana</i> and its toxin measured through electrolyte leakage, chlorophyll loss and callus response	<i>Indian Phytopathology</i> 61(1): 28-33	4.59	-
11.	Mangrauthia, Satendra K., Parameswari, B., Jain, R.K. and Shelly Praveen	2008	Role of genetic recombination in the molecular architecture of <i>Papaya ringspot virus</i>	<i>Biochemical Genetics</i> 46(11): 835-846	7.9	-
12.	Rouhibaksh, A., Priya, J., Periasamy, M., Haq, H.M.I. and Malathi, V.G.	2008	An improved DNA isolation method and PCR protocol for efficient detection of multicomponents of begomoviruses	<i>Journal of Virological Methods</i> 147: 37-42	8.6	-
13.	Rouhibaksh, A. and Malathi, V.G.	2008	Infectivity of blackgram isolate of <i>Mungbean yellow mosaic India virus</i> on cowpea	<i>Indian Journal Virology</i> 19(2): 1	4.0	-
14.	Maryam, Aghakhani and Dubey, S.C.	2009	Determination of genetic diversity among Indian isolates of <i>Rhizoctonia bataticola</i> causing dry root rot of chickpea	<i>Antonie van Leeuwenhoek</i> 96: 607-619	7.81	-
15.	Lal, M. and Janki Kandhari	2009	Cultural and morphological variability in <i>Rhizoctonia soloni</i> isolates causing sheath blight of rice	<i>Journal of Mycology and Plant Pathology</i> 39(1): 77-81	3.0	-
16.	Manrauthia, Satendra K., Parmeswari, B., Jain, R.K. and Shelly Praveen	2009	Comparative genomics of <i>Papaya ringspot virus</i> pathotypes P and W from India	<i>Archives of Virology</i> 154: 727-730	8.5	-
17.	Maryam, Aghakhani and Dubey, S.C.	2009	Morphological and pathogenic variation among isolates of <i>Rhizoctonia bataticola</i> causing dry root rot of chickpea	<i>Indian Phytopath.</i> 62: 183-189	4.59	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
18.	Azadvar, M., Baranwal, V.K. and Yadava D.K	2009	First report of 16Sr IX (Pigeon pea Witches Broom) Phytoplasma associated with Toria (<i>Brassica rapa</i> cv. <i>toria</i>) phyllody disease in India	<i>NDR, Plant Pathology</i> available online	2009	8.6
19.	Maryam Aghakhani and Dubey, S.C.	2009	Determination of genetic diversity among Indian isolates of <i>Rhizoctonia bataticola</i> causing dry root rot of chickpea	<i>Antonie van Leeuwenhoek</i> 96: 607-619	8.5	-
20.	Mehi lal and Janki Kandhari	2009	Characterization of pathogenic variability in <i>Rhizoctonia solani</i> Kuhn causing Sheath Blight of rice	<i>Pusa Agri Science</i> 32:37-41	-	-
21.	Mousa Najafinia and Pratibha Sharma	2009	Cross pathogenecity among isolates of <i>Fusarium oxysporum</i> causing wilt in cucumber and muskmelon	<i>Indian Phytopathology</i> 62(1): 9-13	4.0	-
22.	S. Banik and Pratibha Sharma	2009	Variability in cauliflower stalk rot pathogen <i>Sclerotinia sclerotivorum</i>	<i>Indian Phytopathology</i> 62(3): 279-284	4.0	-
23.	Biju, C.N., Niazi, F.R. and Singh, Jasvir	2009	Identifiacion of differential rice cultivars for characterization of rice tungro disease isolates of India	<i>Indian Phytopathology</i> 62(2): 240-244	4.0	-
24.	Mandal A.K. and P. Sinha	2009	Characterization of lipoxygenase in pigeonpea in response to <i>Fusarium udum</i> infection	<i>Indian Journal of Agricultural Sciences</i> 75: 172-276	-	-
25.	Tamilvanan, M. and Janki Kandhari	2009	Biocontrol of rice sheath blight through antagonists in field	<i>Indian Phytopathology</i> 62(2): 204-208	4.0	-
26.	Tamilvanan, M. and Janki Kandhari	2009	Effect of volatile and non-volatile metabolites of antagonist on <i>Rhizoctonia solani</i> , the causal organism of sheath blight of rice	<i>Journal of Mycopathological Research</i> 47(1): 49-53	4.0	-
27.	Sharma, R. R., Singh, D. and Rajbir Singh	2009	Biological control of post-harvest diseases of fruits and vegetables by microbial 4 antagonists	<i>A review. Biological Control</i> 50: 205- 221	7.64	405



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
28.	Sushil, K. Singh, Ramesh Chand, Singh, D. and D. Kumar	2010	Comparative study of leaf spot and leaf blight symptoms of <i>Xanthomonas campestris</i> pv. <i>parthenii</i> on Parthenium	<i>Ann. Pl. Protec. Sci.</i> 18(1): 184-187	3.65	-
29.	Kumar S, Baranwal V. K., Joshi, S., Arya, M. and Majumder, S.	2010	Simultaneous Detection of Mixed Infection of Onion yellow dwarf virus and an Alexi virus in RT-PCR for Ensuring Virus Free Onion Bulbs	<i>Virus Dis.</i> 21: 64-68	6.0	-
30.	Mehdi, A and Baranwal V.K.	2010	Molecular characterization and phylogeny of a phytoplasma associated with phyllody disease of toria (<i>Brassica rapa</i> subspecies <i>dichotoma</i>) in India	<i>Virus Dis.</i> 20: 9-11	6.0	-
31.	Thirumalaisamy, P.P., Singh, D.V., Aggarwal, R., Gogoi, R., Gupta, P.K. and Singh, P.K.	2011	Development of specific primers for detection of Karnal bunt of wheat	<i>Indian Phytopathology</i> 64: 164-172	4.59	-
32.	Mehdi, A and Baranwal V.K.	2011	Transmission and detection of toria (<i>Brassica rapa</i> subspecies <i>dichotoma</i>) phyllo-dyphytoplasma and identification of its potential vector	<i>J. Gen. Plant Pathology (Japan)</i> 77: 194-200	6.71	-
33.	Prabha K and Baranwal V.K.	2011	Indian citrus ringspot virus: localization of virus in seed tissues and evidence for lack of seed transmission	<i>Phytoparasitica</i> 39: 491-496	6.68	-
34.	Prabha K and Baranwal V. K.	2011	The Genome Sequence of an Isolate of Indian Citrus Ringspot Virus infecting the Sweet Orange in India	<i>J. Virol.</i> 86(22): 12446-47	10.65	-
35.	Kumar S., Sawant S. D., Sawant I.S, Prabha, K., Jain R. K. and Baranwal V. K.	2012	First report of Grapevine leafroll-associated virus 1 infecting grapevines in India	<i>Plant Disease</i> 96: 18-28	8.74	-
36.	Kumar. S., Baranwal V. K., Singh P., Jain R.K., Sawant S.D. and Singh, S.K.	2012	Characterization of a Grapevine leafroll-associated virus 3 from India showing incongruence in its phylogeny	<i>Virus Genes</i> 45:195-200	7.84	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
37.	Mehdi, A, Baranwal V.K., Kochu Babu, M. and Deepthi, K.P. and Deepthi, K.P.	2012	Sequence analysis of 16S rRNA and secA genes confirms the association of 16SrI-B subgroup phytoplasma with oil palm (<i>Elaeis guineensis</i> Jacq.) stunting disease	<i>J. Phytopathol.</i> 160: 6-12	6.92	-
38.	Mandal, A.K. and Dubey, S.C.	2012	Genetic diversity analysis of <i>Sclerotinia sclerotiorum</i> causing stem rot in chickpea using RAPD, ITS-RFLP, ITS sequencing and mycelial compatibility grouping	<i>World J. Microbiol. Biotechnol.</i> 28: 1849-1855	7.78	-
39.	Durai, M., Dubey, S. C. and Tripathi, Aradhika	2012	Genetic diversity analysis and development of SCAR marker for detection of Indian populations of <i>Fusarium oxysporum</i> f. sp. ciceris causing chickpea wilt	<i>Folia Microbiol.</i> 57: 229-235	7.0	-
40.	Durai, M., Dubey, S. C. and Tripathi, Aradhika	2012	Analysis of virulence and ITS region based genetic variability among the Indian populations of <i>Fusarium oxysporum</i> f. Sp. ciceris causing chickpea wilt	<i>J. Plant Pathol.</i> 94:651-662	7.04	-
41.	Gurjar, M.S., Aggarwal, Rashmi, Banerjee, Sagar, Gupta, Sangeeta, Sharma, Sapna and Prashar, M.	2012	Evaluation of wheat genotypes against three wheat rust pathogens in vivo	<i>Ann. Pl. Protec. Sci.</i> 20: 164-168	3.65	
42.	M.S. Gurjar, Rashmi Aggarwal and M. Prashar	2012	Phenotyping of Indian wheat (<i>Triticum aestivum</i>) genotypes for identification of rust resistance genes	<i>Indian Phytopathology</i> 65(4): 345-348	4.59	5
43.	Saabale, P.R. and Dubey, S.C.	2012	Quantitative analysis of defense related genes of chickpea against <i>Fusarium</i> wilt	<i>Bioinfolet.</i> 9: 722-725	3.75	-
44.	Raghavendra, B.T., Singh, D., H. Rajshkara, Shweta Sinha, D.K. Yadav, P.S. Rathaur and Manjunatha, C.	2012	ERIC-PCR generated fingerprinting of <i>Xanthomonas campestris</i> pv. <i>campestris</i> causing black rot of crucifers	<i>Environment and Ecology</i> 31(1A): 338-341	4.09	-
45.	Pramesh, D., Islam, S., Singh, J. and Baranwal V.K.		Serological and PCR detection of <i>Garlic common latent virus</i> associated with garlic accessions in India	<i>J. Medicinal Plants</i> 4:18-22	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
46.	Mehdi, A and Baranwal V. K.	2012	Multilocus Sequence analysis of phytoplasma associated with brinjal little leaf disease and its detection in Hishimonusphyctis in India	<i>Phytopathogenic Mollicutes</i> 2: 15-21	-	-
47.	A.M. Rajesh, T. Prameela devi, V. G. Malathi, Deeba kamil, J. L. Borah, N. Prabhakaran and N. Srinivasa	2013	A combined morpho-genetic approach towards identification of <i>Trichoderma</i> species	<i>J. Mycopathol. Res.</i> 51(1): 19-28	3.17	-
48.	Prasanna kumari, V., Rashmi Aggarwal, S. Banerjee, S. Gupta, S. Sharma, B. M. Bashyal, J. Kumar and M. Jindal	2013	Basis of resistance in wheat genotypes to <i>Bipolaris sorokiniana</i> causing spot blotch disease	<i>Indian Phytopathology</i> 66: 150-154	4.59	3
49.	Raghavendra, B.T., Singh, D., D.K. Yadava, Kalyan K. Mondal and Pratibha Sharma	2013	Pathogenic variability and genetic diversity using BOX-PCR of <i>Xanthomonas campestris</i> pv. <i>campestris</i> isolated from cole crops	<i>Indian Journal of Agricultural Sciences</i> 83(10): 1090-1094	6.14	-
50.	Rajesh, A. M., Prameela Devi, T., Malathi, V.G., Deeba Kamil, Jyoti Lekha Borah and Prabhakar, N and Srinivasa, N.	2013	A combined morpho-genetic approach towards identification of <i>Trichoderma</i> species	<i>J. Mycopathol. Res.</i> 51(1): 19-28	3.17	-
51.	Raghavendra, B.T., Kirankumar, A.C., Rajashekar, H., and Srinivasa, N.	2013	Molecular characterization of <i>Xanthomonas campestris</i> pv. <i>campestris</i> causing black rot disease in cruciferes	<i>Journal of Environment and Ecology</i> 31(1A): 240-242	-	-
52.	Pramesh D. and Baranwal, V.K.	2013	Molecular characterization of coat protein gene of Garlic common latent virus isolates from India: an evidence for distinct phylogeny and recombination	<i>Virus Genes</i> 47(1): 189-193	7.84	-
53.	N. Gupta, K. Prabha, S. Islam and V.K. Baranwal	2013	First report of Leek yellow stripe virus in garlic from India	<i>J. Plant Pathol.</i> 95	6.77	-
54.	Ganeshamoorthi, P. and Dubey, S.C.	2013	Genetic diversity analysis of <i>Rhizoctonia solani</i> causing wet root rot of chickpea in different states of India by ISSR markers	<i>Bioinfolet.</i> 10: 288-290	3.75	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
55.	Ganeshamoorthi, P. and Dubey S.C.	2013	Anastomosis grouping and genetic diversity analysis of <i>Rhizoctonia solani</i> isolates causing wet root rot in chickpea	<i>African Journal of Biotechnology</i> 12: 6159-6169	-	-
56.	Ganeshamoorthi, P. and Dubey, S.C.	2013	Phylogeny analysis of Indian strains of <i>Rhizoctonia solani</i> isolated from chickpea and development of sequence characterized amplified region (SCAR) marker for detection of the pathogen	<i>African Journal of Microbiology Research</i> 7: 5516-5525	4.0	-
57.	Pramesh D., Singh, P. and Baranwal, V.K.	2013	In vitro expression and purification of coat protein gene of Garlic Common Latent Virus and its application in ELISA based diagnostics	<i>J. Plant Pathol.</i> 95(2)	6.77	-
58.	Jahani, M., Rashmi Aggarwal, Sangeeta Gupta, Sapna Sharma and P. Dureja	2014	Purification and characterization of a novel toxin from <i>Bipolaris sorokiniana</i> causing spot blotch of wheat and analysis of variability in the pathogen	<i>Cereal Res. Comm.</i> 42(2): 252-261	6.61	2
59.	Prabhakaran N., Prameeladevi T., Sathiyabama M. and Kamil D.	2014	Multiplex PCR for detection and differentiation of diverse <i>Trichoderma</i> species	<i>Annals of Microbiology</i> DOI: 10.1007/s13213-014-0998-5	7.04	2
60.	Bheemaraya, Robin Gogoi, Rashmi Aggarwal, A. Kumar, Rajesh Kumar, S. N. Rai and I.S. Bisht	2014	Effect of nano-hexaconazole on the phenotype and pathogenicity of <i>Rhizoctonia solani</i> f.sp. <i>sasakii</i> causing banded leaf and sheath blight of maize.	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4579-4592	-	-
61.	Srinivasa N. and T. Prameela Devi	2014	Bio-efficacy of <i>Trichoderma</i> isolates against soil borne pathogens	<i>Afr. J. Microbiol. Res.</i> 8(28): 2710-2723	6.00	-
62.	Honnareddy, N., Rashmi Aggarwal, Sapna Sharma, Sangeeta Gupta, Gyanendra Singh, Bishnu M. Bashyal and Hemavati Ranebennur.	2014	Isolation and identification of defense responsive genes in wheat during incompatible interaction with <i>Bipolaris sorokiniana</i> (<i>Cochliobolus sativus</i>) using SSH technique	<i>Vegetos</i> 27: 11-20	6.00	-



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63.	Srinivasa N., Prameeladevi T, Sudhirkumar S., Kamil D., Borah J.L. and Prabhakaran N.	2014	Bioefficacy of Trichoderma isolates against soil-borne pathogens	<i>African Journal of Microbiology Research</i> 8(28): 2710-2723	4.0	-
64.	Mishra, P. K., Gogoi, Robin, Singh, P.K., Rai, S.N. and Kumar, Arun	2014	Effect of photo period on morpho-cultural characteristics of <i>Rhizoctonia solani</i> f. sp. <i>sasakii</i> of maize	<i>Annals of Biology</i> 30(4): 733-737	2.98	-
65.	Saabale, P.R. and Dubey, S.C.	2014	Pathogenicity and vegetative compatibility grouping among Indian populations of <i>Fusarium oxysporum</i> f.sp. <i>ciceris</i> causing chickpea wilt	<i>Phytoparasitica</i> DOI: 10.1007/s12600-014-0383-8	6.90	-
66.	Dubey A.K., R.T.P. Pandian, H. Rajashekar, V.K. Singh, G. Kumar, P. Sharma, Aundy Kumar, S. Gopalakrishnan, A.K. Singh, R. Rathour and U.D. Singh	2014	Phenotyping of improved rice lines and landraces for blast and sheath blight resistance	<i>Indian J. Genet.</i> 74(4): 499-501 DOI: 10.5958/0975-6906.2014.00876.1	6.19	-
67.	Srinivasa N., T. Prameela Devi Deeba Kamil, Jyoti Lekha Borah and N. Prabhakaran	2014	Seperation and identification of antifungal compounds from <i>Trichoderma</i> spp. by GC-MS and their bio-efficacy against soil borne pathogens	<i>J. Pure and Applied Microbiology</i> 8(4): (Accepted in June, 2014)	6.00	-
68.	N. Manjunatha, Prameela Devi, T., N. Prabhakaran, G.V. Navali and S.S. Patil	2014	Morphological and molecular diversity of <i>Sclerotinia sclerotiorum</i> (lib.) de bary isolates of India	<i>The Bioscan</i> 9(4): 1763-1767	-	-
69.	Mathew S.B., Sharma R.K., Prameeladevi T., Sharma P. and Kamil D.	2014	Morphological and molecular characterization of <i>Ustilaginoidea virens</i> isolates causing false smut of rice in India	<i>Indian Phytopathology</i> 67(3): 222-227	4.59	-
70.	Sharma S.K., Kumar, P.V., Poswal, R., Rai, R., Geetanjali, A.S., Prabha, K., Jain, R.K. and Baranwal V.K.	2014	Occurrence and distribution of banana streak disease and standardization of a reliable detection procedure for routine indexing of banana streak viruses in India	<i>Scientia Horticulturae</i> 179: 277-283	7.5	-



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71.	Bheemaraya, Robin Gogoi, Rashmi Aggarwal, Aundy Kumar, Rajesh Kumar, S.N. Rai, Firoz Hussain and I.S. Bisht	2014	Effect of nano hexaconazole on the phenotype and pathogenicity of <i>Rhizoctonia solani</i> f. sp. Sasaki causing banded blight leaf and sheath blight in maize	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4579-4592	6.07	-
72.	Sharma, S.K., Kumar, P.V., and Baranwal, V. K.	2014	Immunodiagnosis of episomal Banana streak MY virus using polyclonal antibodies to an expressed putative coat protein.	<i>J. Virol. Methods</i> 207: 86-94	7.88	-
73.	Manjunatha C., Aggarwal Rashmi, Bharadwaj S.C. and Sharma S.	2015	Virulence analysis and molecular characterization of Indian wheat leaf rust pathotypes (<i>Puccinia triticina</i>)	<i>Res. J. Biotechnol.</i> 10(12): 98-106	6.28	-
74.	Ganeshamoorthi, P. and Dubey, S.C.	2015	Morphological and pathogenic variability of <i>R. Solani</i> isolates associated with wet root rot of chickpea in India	<i>Legume Research</i> 38: 389-395	6.15	-
75.	Mandal, A.K., Dubey, S.C. and Tripathi, Aradhika	2015	Bio-agent based integrated management strategy against stem rot for chickpea	<i>Indian Phytopathol.</i> 68: 402-409	4.59	-
76.	Mandal, A.K. and Dubey, S.C.	2015	Morphological and pathogenic variability among Indian populations of <i>Sclerotinia sclerotiorum</i> causing stem rot of chickpea (<i>Cicer arietinum</i>)	<i>Indian J. Agril. Sci.</i> 86: 593-597	6.14	-
77.	Pankaj Kumar Mishra, Robin Gogoi, Pradeep K. Singh, Jyotilekha Borah and S.N. Rai.	2015	Genotypic variability in isolates of <i>Rhizoctonia solani</i> from rice, maize and green gram	<i>Indian Phytopathology</i> 68(1): 56-62	4.59	-
78.	Prabhakaran N., T. Prameela Devi, Sathiyabama M. and Deeba Kamil	2015	Screening of different <i>Trichoderma</i> species against agriculturally important foliar plant pathogens	<i>J. Env. Biol.</i> 36: 191-198	6.68	-
79.	Chandra Sekhar V., Prameeladevi T. and Deeba Kamil	2015	A combined morpho-molecular approach towards identification of <i>Chaetomium</i> species of India	<i>Journal of Pure and Applied Microbiology</i> 9(3): 2479-2490	6.0	-



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80.	Ranjan R.K., Singh, D., Sharma, P. and Shri Dhar	2015	Characterization and genetic diversity of <i>Ralstonia solanacearum</i> causing brown rot disease of potato	<i>Indian Phytopathology</i> 68(4): 368-374	4.59	-
81.	Ranjan R.K. and Singh, D.	2015	Occurrence of biovars, races and phylotyping of <i>Ralstonia solanacearum</i> causing brown rot disease of potato under different agro-climatic conditions.	<i>J. of Pure and Applied Microbiology</i> 9(4): 2931- 2941	6.00	-
82.	Sajad un Nabi, Madhupriya, D.K Dubey, G.P. Rao, V.K Baranwal and Pratibha Sharma	2015	Molecular characterization of <i>Candidatus Phytoplasma Asteri</i> 's subgroup I-B associated with sesame phyllody disease and identification of its natural vector and weed reservoir in India	<i>Australian Plant Pathology</i> 44: 289-297	7.04	-
83.	Sajad un Nabi, Madhupriya, D.K. Dubey and G.P. Rao	2015	Identification of <i>Cannabis sativa</i> L. ssp. <i>sativa</i> as putative alternate host of sesame phyllody phytoplasma belongs to 16Sr I group in India	<i>Medicinal Plants</i> 7(1): 68-70	4.23	1
84.	Sajad un Nabi, Madhupriya, D.K. Dubey, G.P. Rao, V.K. Baranwal and P. Sharma	2015	Characterization of phytoplasmas associated with sesame (<i>Sesamum indicum</i>) phyllody disease in North India utilizing multilocus genes and RFLP analysis	<i>Indian Phytopathology</i> 68(1): 112-119	4.59	1
85.	Chandra Sekher V., Prameela Devi T and Deeba Kamil	2015	Development of multiplex polymerase chain reaction assay for simultaneous detection of closter-, banana- and mandarin- viruses along with huanglongbing bacterium in citrus trees	<i>Journal of pure and Applied Microbiology</i> 9(3): 2479-2490	4.16	-
86.	Kumar, S., Rai Richa and V.K. Baranwal	2015	Development of an immunocapture–reverse transcription polymerase chain reaction (IC-RT-PCR) using modified viral RNA release protocol for the detection of <i>Grapevine leafroll-associated virus 3</i> (GLRaV-3)	<i>Phytoparasitica</i> 43: 311-316	6.68	-



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87.	Bheemaraya, Robin Gogoi, Rashmi Aggarwal, S.N. Rai and Aundy Kumar	2015	Virulence diversity in <i>Rhizoctonia solani</i> isolates of different maize growing ecosystems of India	<i>Indian Phytopath.</i> 68(4): 396-401	4.59	-
88.	Sharma, S.K., Kumar, P. V., Geetanjali A.S., Pun, K.B. and Baranwal, V.K.	2015	Subpopulation level variation of banana streak viruses in India and common evolution of banana and sugarcane badnaviruses	<i>Virus Genes</i> 50(3): 450-65	7.84	-
89.	Parmesh, D., and Baranwal, V.K.	2015	Production of virus-free garlic (<i>Allium sativum</i> L.) through meristem tip culture after solar or hot air treatment of cloves	<i>The Journal of Horticultural Science and Biotechnology</i> 90: 180-186	6.51	-
90.	U. Mina, A. Fuloria R. Aggarwal		Effect of ozone and antioxidants on wheat and its pathogen- <i>Bipolaris sorokiniana</i>	<i>Cereal Research Communications</i> 44 (4): 594-604	6.61	-
91.	Manish Kumar, Akshay Katiyar, Madhupriya and G.P. Rao	2016	First report of association of Potato virus X and Potato virus Y and 'Candidatus Phytoplasma trifolii' in brinjal in India	<i>Virus Disease</i> ISSN: 2347-3584, DOI: 10.1007/s13337-016-0318-8	-	-
92.	Koli P., Singh B.B., Shakil N.A., Kumar J. and Kamil D.	2016	Development of controlled release nanoformulations of carbendazim employing amphiphilic polymers and their bioefficacy evaluation against <i>Rhizoctonia solani</i> .	<i>Journal of Environmental Science and Health, Part B.</i> 50(9): 674-681	7.20	-
93.	Mathew, S. Baite, Dubey, S.C. and Singh, Birendra	2016	Morphological variability in the Indian populations of <i>Ascochyta rabiei</i> causing blight in chickpea and evaluation of chickpea cultivars	<i>Indian J. Plant Prot.</i> 44: 74-82	4.90	-
94.	Ranjan, R.K., Singh, D. and V.K. Baranwa	2016	Simultaneous detection of brown rot- and soft rot-causing bacterial pathogens from potato tubers through multiplex PCR	<i>Curr. Microbiol.</i> DOI: 10.1007/s00284-016-1110-0	7.14	-



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95.	Priyanka Singh Rathaur, Singh, D. and Richa Raghuwanshi	2016	Standardization of Indian cultivars of <i>Brassica</i> spp. for characterization of <i>Xanthomonas campestris</i> pv. <i>campestris</i> races causing black rot disease of crucifer crops	<i>Indian Journal of Agricultural Sciences</i> 86(12): 31-36	6.14	-
96.	Meena. R.P. and Baranwal V.K.	2016	Development of multiplex polymerase chain reaction assay for simultaneous detection of clostero-, badna and mandari-viruses along with huanglongbing bacterium in citrus trees	<i>J Virol. Methods.</i> 18(235): 58-64	7.78	-
97.	Gopala, Robin Gogoi, K.S. Hooda, S.N. Rai, A. Kumar and Firoz Hossain	2016	Rapid screening technique for evaluation of maize genotypes against stalk rot complex caused by <i>Macrophomina phaseolina</i> and <i>Fusarium verticilloides</i>	<i>Indian Journal of Agricultural Sciences</i> 86(8): 1024-30	6.00	-

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1.	Aggarwal, R., Tiwari, A.K., Dureja, P. and Srivastava, K.D.	2007	Quantitative analysis of secondary metabolites produced by <i>Chaetomium globosum</i> Krunze ex Fr	<i>J. Biological Control</i> 21: 163-168	3.96	5
2.	Baranwal, V.K., Singh R.P. and Gupta K.N.	2007	Polymerase chain reaction detection of greening bacterium (<i>Candida tusliberibacterasiaticus</i>) and Citrus mosaic virus in citrus tissues, by means of a simplified template –preparation protocol	<i>Can. J. Plant Pathol.</i> 29: 190-196	6.99	-
3.	Gopal, K, Pradeepthi, E.R., Gopi, V., Khayum A.S., Sreenivasulu, Y. Reddy, M.K., Baranwal, V.K. and Purushottam K.	2007	Occurrence, molecular diagnosis and suitable time of detection of citrus greening disease in sweet orange.	<i>Acta Phytopathologica et Entomologica Hungarica</i> 42: 49-58	-	-



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4.	Dubey, S.C., Suresh, M. and Singh, Birendra	2007	Evaluation of <i>Trichoderma</i> species against <i>Fusarium oxysporum</i> . f. sp. Ciceris for integrated management of chickpea wilt	<i>Biol. Control.</i> 40: 118	127	3.96
5.	Dubey S.C.	2007	Integrating bioagent with botanical and fungicide in different mode of application for the better management of web blight and mungbean yield	<i>Indian J. Agril. Sci.</i> 77: 162-165	6.14	-
6.	Gangawar, L.S, Singh, D. and D.V. Singh	2007	Estimation of post harvest losses in kinnow mandarin in Punjab using a modified formula	<i>Agricultural Economics Research Review</i> 315-331	5.68	15
7.	Singh, D. and Goutam Mandal	2007	Incidence of mycoflora and fruit rot in peach: opening in packaging materials.	<i>Ann. Pl. Protec. Sci.</i> 15(1): 161-164	3.65	1
8.	Singh, D. and R.R. Sharma	2007	Post harvest wax coating of kinnow fruits to retain quality during storage	<i>Agricultural Engineering Today</i> 31(2): 15-17	3.66	-
9.	Narzari, M.K., Gogoi, Robin and Puzari, K.C.	2007	Management of green mould of oyster mushroom by garlic extract	<i>Indian Phyttopathology</i> 60(3): 322-326	4.59	-
10.	Prameela Devi, T., P.N. Chowdhry, Durga Gupta, Nita Mathur and O.P. Singh	2007	A New Species of <i>Xylochia</i> from India	<i>Indian Phytopath.</i> 60(1): 92-94	-	-
11.	Goltapeh, E.M., Aggarwal, R. Pakdaman, B.S. and Renu	2007	Molecular characterization of <i>Aspergillus</i> species using Amplicon Length Polymorphism (ALP) using Universal Rice Primers	<i>J. Agricultural Technology</i> 3(1): 29-37	-	-
12.	Aggarwal, R., Vandana Sharma, Lalit L. Kharbikan and Renu	2008	Molecular characterisation of <i>Chaetium</i> spp. using URP-PCR	<i>Gen. and Mol. Bio.</i> 31(4): 943-946	7.20	12
13.	Aggarwal, R., Das Soma, Jahani, Mehdi and D.V. Singh	2008	Histopathology of spot blotch [<i>Bipolaris sorokiniana</i> (teleomorph: <i>Cochliobolussativus</i>)] infection in wheat	<i>Acta Phytopathologica</i> 43: 23-30	-	7
14.	John P., Sivalingam, P.N. Haq, Q.M.I., Kumar, N., Mishra, A., Briddon, R.W. and Malathi, V.G.	2008	Cowpea golden mosaic disease in Gujarat is caused by a Mungbean yellow mosaic India virus isolate with a DNA B variant	<i>Archives of Virology</i> 153: 1359-1365	8.5	-



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15.	Majumder S., Arya, M, Pant R.P. and Baranwal V.K.	2008	Shallot virus X in Indian shallot, a new virus report for India	<i>Plant Pathol.</i> 57: 396	8.97	-
16.	Majumder S., Baranwal V.K. and Joshi. S.	2008	Simultaneous detection of <i>Onion yellow dwarf virus</i> and <i>Shallot latent virus</i> in infected leaves and cloves of garlic by duplex RT-PCR	<i>J. Plant Pathol.</i> 90: 369-372	6.77	-
17.	Ghosh D.K. Aglave Balaji, and Baranwal V.K.	2008	Simultaneous detection of one RNA and one DNA virus from naturally infected citrus plants using duplex PCR technique	<i>Current Sci.</i> 94: 1314-1318	6.83	-
18.	Ghosh D.K. Aglave Balaji, Bhanare Kanchan and Baranwal V.K.	2008	PCR based detection of Citrus yellow mosaic disease from Vidarbha region of Maharashtra	<i>Indian Phytopath.</i> 60: 520-526	4.59	-
19.	Singh, D. and A.K. Thakur	2008	Effect of juice extraction methods on the quality and organoleptic acceptability of kinnow juice	<i>New Agricult.</i> 18(1-2): 95-98	4.17	-
20.	Singh, D., P.C. Sarkar, R.R. Sharma and S. Srivastava	2008	Effect of lac based formulations on incidence of <i>Penicillium italicum</i> on kinnow fruits	<i>Indian Phytopathology</i> 60(1): 79-82	4.59	-
21.	Gogoi, Robin, Deva Nath, H.K. and Borah, T.R.	2008	In vivo screening of ginger germplasm for the resistance sources of rhizome rot complex in Assam	<i>Pestology</i> 32(6): 20-22	-	-
22.	Dubey, S.C. and Singh, S.R.	2008	Virulence analysis and oligonucleotide fingerprinting to detect diversity among Indian isolates of <i>Fusarium oxysporum</i> f. sp. <i>Ciceris</i> causing chickpea wilt	<i>Mycopathologia</i> 165: 389-406	-	7.53
23.	Dubey, S.C. and Singh, Birendra	2008	Evaluation of chickpea genotypes against <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i>	<i>Indian Phytopath</i> 61: 280-281	-	4.59
24.	Majumder, N., Dutta, S.K., Gogoi, Robin and Ratahiah, Y.	2008	Seasonal abundance of <i>Scaphisoma tetrastictum</i> Champ on oyster mushroom and its relation to meteorological factors	<i>Acta Phytopathologica et Entomologica Hungarica</i> 43(1): 55-62	-	-



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25.	Deka Utpal, K., Dutta, P.K, Gogoi, Robin and Borah, P.K.	2008	Management of leaf spot disease complex of betelvine by bioagents and plant extracts	<i>Indian Phytopath.</i> 61(3): 337-342	4.59	-
26.	Gupta, P.K., Sharma, N. D. and Gogoi, Robin	2008	First report on <i>Sclerotium rolfsii</i> on Tulsi (<i>Ocimum sanctum</i>) from India	<i>Indian Phytopath.</i> 61(3): 370	4.59	
27.	Gogoi, Robin, Deva Nath H.K. and Borah, T.R.	2008	Diversity of Pathogens inciting rhizome rot of ginger in Assam and Arunachal Pradesh.	<i>J. Mycol. Pl. Pathol.</i> 38(2): 291-294	4.00	-
28.	Kamil D., Lal A.A., Bashyal B.M. and Gupta P.	2008	Eco-friendly management of post-harvest disease of guava (<i>Psidium guajava</i> L.)	<i>Crop Research</i> 35:131-134	2.87	-
29.	Kumar R., Sinha A. and Kamil D.	2008	Recent methods for detection of plant pathogens	<i>Journal of Scientific Research</i> 52: 151-161	-	-
30.	Lal A.A., Akbar B.R., Pandey V.K., Bashyal B.M., Kamil D. and Gupta P.	2008	Effect of antagonistic yeast (<i>Candida</i> sp.) and packaging materials on physio-chemical characters and decay reduction in Guava (<i>Psidium guajava</i>)	<i>Journal of Mycology and Plant Pathology</i> 38(2): 405-406	4.0	-
31.	Rai J.P., Sinha A., Kamil D. and Kumar R.	2008	Chemical analyses of the stored seeds of mustard (<i>Brassica juncea</i> L.) and their oil content	<i>Brassica</i> 10(1-2): 53-6	-	-
32.	Agarwal, Rashmi, Singh, V.B., Gurar, M.S., Gupta, Sangeeta and Srinivas, P.	2008	Intraspecific variations in Indian isolates of <i>Bipolaris sorokiniana</i> infecting wheat based on morphological pathogenic and molecular characters	<i>Indian Phytopathology</i> 62(4): 449-460	4.59	6
33.	Kumar, J., Shoran, J., Sharma, I., Aggarwal, R., Saharan, M.S. and Sharma, A.K.	2009	Distribution of heterothallic alleles of <i>Tilletia indica</i> in India	<i>Indian Phytopathology</i> 62(3): 285-294	4.59	-
34.	Gangawar, L.S, Singh, D. and Goutam Mondal	2008	Economic evaluation of peach cultivation in North Indian Plains	<i>Agricultural Economics Research Review</i> 21: January- June 123-129	5.68	8
35.	Sushil Kumar Singh, Singh, D., Ramesh Chand and J. Singh	2008	A new virulent strain of <i>Xanthomonas campestris</i> pv. <i>parthenii</i> causing leaf spot of parthenium	<i>Indian Phytopath.</i> 61 (3): 317	4.59	-



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36.	Sharma, R.R., Rajbir Singh, Singh, D. and Ram Kishore Gupta	2008	Influence of row covers and mulching interaction on leaf physiology, fruit yield and albinism incidence in 'Sweet Charlie' strawberry (<i>Fragaria x ananassa</i> Duch)	<i>Fruits</i> 63: 103-110	4.59	4
37.	Agarwal, Surekha, Krishna Reddy, M. and Jain, R.K.	2009	Production of polyclonal antibodies using recombinant coat protein of Papaya ringspot virus and their use in immunodiagnosis	<i>Journal of Plant Biochemistry and Biotechnology</i> 18(1): 109-111	7.4	-
38.	Aggarwal, R., Singh V.B., Shukla. R., Gurjar M.S., Gupta, S. and Sharma, T.R.	2009	URP-based fingerprinting of Indian isolates of <i>Bipolaris sorokiniana</i> causing spot blotch of wheat	<i>J. Phytopath.</i> 158: 210-216	6.82	-
39.	Singh, D. and R.R. Sharma	2009	Post harvest behaviour of peaches (<i>Prunus persica</i>) pre- treated with antagonist <i>Debaryomyces hansenii</i> and calcium chloride	<i>Indian J. of Agril. Sciences</i> 79(9): 674-678	6.14	5
40.	Dubey, S.C., Bhavani, R. and Singh, Birendra	2009	Development of Pusa 5SD for seed dressing and Pusa Biopellet 10G for soil application formulations of <i>Trichoderma harzianum</i> and their evaluation for integrated management of dry root rot of mungbean (<i>Vigna radiata</i>)	<i>Biol. Control</i> 50: 231-242	3.96	-
41.	Singh, D., Sharma, R.R., Samuel, D.V.K. and R.K. Pal	2009	Enhancing the bio- efficacy of <i>Debaryomyces hansenii</i> with sodium salts for reducing the blue mould rot in apples	<i>Indian Phytopathology</i> 62(4): 478-483	4.59	3
42.	Singh, D., Gautam Mondal and R.R. Sharma	2009	Effect of individual shrink wrapping on spoilage and quality of peaches during storage	<i>J. of Agril. Engineering</i> 46(2): 22-25	4.27	1
43.	Usha, K., Singh, B., Praseetha, P., Deepa, N., Agarwal, D.K., Agarwal, R. and Nagaraja, A.	2009	Antifungal activity of <i>Datura stramonium</i> , <i>Calotropis gigantea</i> and <i>Azadirachta indica</i> against <i>Fusarium mangiferae</i> and floral malformation in mango	<i>European Journal of Plant Pathology</i> 124: 637-657	7.49	-



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44.	Gupta, Sangeeta, Aggarwal, R. and Ahluwalia, P.	2009	Assessing mycotoxin producing potential of pathogens causing vegetable rots	<i>Indian Phytopath.</i> 62: 137-143	4.59	-
45.	Bhalla, Kirti, Singh, Shashi B., and Aggarwal, R.	2009	Quantitative determination of gibberellins by high performance liquid chromatography from various gibberellin producing <i>Fusarium</i> strains	<i>Environmental Monitoring and Assessment</i> 155(2): Published on line	7.68	-
46.	Singh Deepti, Tewari A.K., Rao G.P, Karuppaiah. R., Vishwanathan, R., Arya. M. and Baranwal V.K.	2009	RT-PCR/PCR analysis detected mixed infection of DNA and RNA viruses infecting sugarcane crops in different states of India	<i>Sugar Tech.</i> 11: 373-380	6.50	-
47.	Azadvar. M., Baranwal V.K. and D.K. Yadava	2009	First report of a 16SrIX (Pigeon pea witches' broom) phytoplasma associated with toria (<i>Brassica rapa</i> cv. toria) phyllody disease in India	<i>Plant Pathol.</i> 20: 27	8.97	-
48.	Sharma, R.R., Dinesh Singh and Rajbir Singh	2009	Studies on transportation losses and quality parameters in apple packed in different containers	<i>Indian J. Hort.</i> 66(2): 245-248	6.13	8
49.	Singh, D.B., Singh, D. and Sharma, R.R.	2009	Studies on suitability of low chilling peach cultivars for irrigated arid ecosystem	<i>The Asian J. Hort.</i> 4(1): 44-46	2.55	1
50.	Kamil D., Kumar R., Sinha A.	2009	Effect of green manuring of <i>Crotalaria juncia</i> L. on some soil-borne pathogens	<i>Indian Phytopathology</i> 62(3): 304-309	4.59	1
51.	Arya Meenakshi Majumder S. and Baranwal V.K.	2009	Partial characterization of coat protein gene of <i>Shallot</i> latent virus associated with garlic in India	<i>Virus Dis.</i> 20: 9-11	6.0	-
52.	Mazumder S. and Baranwal V.K.	2009	First report of <i>Garlic common latent virus</i> in garlic from India	<i>Plant Dis.</i> 93: 106	8.74	-
53.	Singh. R.P., Dilworth. A.D., D.Ao., Xiaoping, Singh, M, and Baranwal V.K.	2009	Citrus exocortis viroid transmission through commercially-distributed seeds of <i>Impatiens</i> and <i>Verbena</i> plants	<i>Eur. J. Plant Pathol.</i> 124: 691-694	7.71	-
54.	Prameela Devi, T.	2009	Studies on anamorphic fungi from India - <i>Fecundostilbum</i> , a new genus of Stilbellaceae	<i>Indian Phytopath</i> 62(1): 64-68	1	-
55.	Prameela Devi, T., Nita Mathur, O.P. Singh and C. Uma Maheswari	2009	Studies on anamorphic fungi from India - <i>Polyrostrata</i> , a new genus of Sphaeropsidaceae from India	<i>Indian Phytopath</i> 62(2): 233-236	-	-



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56.	Gogoi, Robin, Borah, T. R. and Rathaiah, Y.	2009	Effect of quality of calcium carbonate on growth and vigour of spawn of paddy straw mushroom	<i>Ann. Agric. Res. New Series</i> 30(1&2): 77-78	3.02	-
57.	Majumder, D., Das, P.K. and Gogoi, Robin	2009	Adoption of recommended mushroom production technology and strategies for developing mushroom industry in Assam	<i>Mush. Res.</i> 18 (2): 83-90	-	-
58.	Bashyal B.M., Lal A.A. and Kamil D.	2009	Physiochemical changes in guava infected by different pathogenic fungi.	<i>Journal of Mycology and Plant Pathology</i> 39(3): 511-512	4.0	1
59.	Sinha A., Kumar R., Kamil D. and Kapur P.	2009	Release of nitrogen, phosphorus and potassium from decomposing <i>Crotalaria juncea</i> L. in relation to different climatic factors	<i>Environment & Ecology</i> 27(4B): 2077-2081	4.09	-
60.	Singh, Haq, Prasanna, B.K., Baranwal, V.K. Gupta K.N., J.Q.M.R. and K. Gopal	2009	Genome sequencing, comparison and phylogenetic analysis of Citrus yellow mosaic virus isolates originating from different citrus species in India	<i>Int. J. Virol.</i> 5: 143-153	-	-
61.	S.K. Ahammed, R. Aggarwal and K.D. Srivastava	2009	Colony Characteristics and Bioefficacy of Different Isolates of <i>Chaetomium globosum</i> Krunze Ex Fr. against <i>Bipolaris sorokiniana</i> (Sacc.) Shoem	<i>Journal of Biological Control</i> 18(2): 167-171	3.96	1
62.	Sharma, R.R. and Singh, D.	2009	Phenolic content pattern, polyphenol oxidase and lipoxygenase activity in relation to Albinism, fruit malformation and nubbins production in strawberry (<i>Fragaria x ananassa</i> Duch)	<i>J. Plant Biochemistry & Biotechnology</i> 19(1): 67-72	7.09	-
63.	Singh, Pradeep Kumar, Khan, Anis, Gogoi, Robin and Jaisawal, Ritesh Kumar	2009	Plant leaf extracts and bio-agents for ecofriendly management of wilt of pigeon pea caused by <i>Fusarium udum</i>	<i>Indian Phytopath</i> 63(3): 343-344	4.59	-
64.	Suseela Bhai R., Sithara R. and Aundy Kumar	2009	Influence of soil pH and moisture on the bio-control potential of <i>Trichoderma harzianum</i> on <i>Phytophthora capsici</i> - black pepper system	<i>Journal of Biological Control</i> 24(2): 153-157	3.96	-



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65.	A. Kumar, S. Kumar, R. Kumar, V. Kumar, L. Prasad, N. Kumar and D. Singh	2010	Identification of blast resistance expression in rice genotypes using molecular markers (RAPD & SCAR)	<i>African Journal of Biotechnology</i> 9(24): 3501-3509	11	-
66.	Roy Choudhury, S., Nair, K.K., Kumar, R., Gogoi, R., Srivastava, C., Gopal, M., Subhramanyam, B.S., Devakumar, C. and Goswami, A.	2010	Nanosulfur: a potent fungicide against food pathogen <i>Aspergillus niger</i>	<i>Proceedings of the American Institute of Physics (AIP Conf. Proc.)</i> 1276(1): 154-157	-	-
67.	Sohliya, D.S.R., Sarmah, D.K., Gogoi, Robin, Puzari, K. C. and Chelleng, Anuradha	2010	Preservation and packaging of milky mushroom	<i>J. Mycol. Plant Pathol.</i> 40(4): 575-580	4.00	-
68.	Patra, P., Roy, I., Kumar, R., Gopal, M., Devakumar, C., Gogoi, R., Srivastava, C., Subramaniam, B.S. and Goswami, A.	2010	Characterization of Nanocomposites in Flyash for Possible Pesticide Application	<i>Proceedings of the American Institute of Physics</i> 1276(1): 144-147	-	-
69.	Kamil D. and Sinha A.	2010	Production of Cellulase and Xylanase from Indigenous Strain of <i>Aspergillus niger</i> : Optimization of Cultural Conditions	<i>Indian Phytopathology</i> 64(1): 44-47	4.59	-
70.	Aggarwal Rashmi, Renu, Srinivas P. and Malathi V.G.	2010	Assessment of genetic diversity in <i>Chaetomium globosum</i> , a potential biocontrol agent by amplified fragment length polymorphism	<i>Indian Phytopathol</i> 63(1): 2-5	4.59	5
71.	Aggarwal, R., Tripathi, A. and Yadav, A.	2010	Pathogenic and variability in <i>Tilletia indica</i> monosporidial culture lines using universal rice primer-PCR	<i>European Journal of Plant Pathology</i> 128: 333-342	7.49	15
72.	Manimekalai, R. Soumya, V.P., Satish Kumar R., Selvarajan, R., Reddy, K., Thomas, G.V., Sasikala, M. Rajeev, G and Baranwal, V.K.	2010	Molecular detection of 16SrXI Group Phytoplasma associated with root wilt disease of coconut (<i>Cocos nucifera</i>) in India	<i>Plant Dis.</i> 94: 636	8.74	-



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73.	Dubey, S.C., Singh, S.R. and Singh, Birendra	2010	Morphological and pathogenic variability of Indian isolates of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> causing chickpea wilt	<i>Archives of Phytopathology and Plant Protection</i> 43: 174-189	-	-
74.	Usha, Mina and Dubey, S.C.	2010	Effect of environmental variables on development of <i>Fusarium</i> wilt in chickpea (<i>Cicer arietinum</i>) cultivars	<i>Indian J. Agril. Sci.</i> 80: 231-234	6.14	-
75.	Dubey, S.C. and Singh, B.	2010	Seed treatment and foliar application of insecticides and fungicides for management of cercospora leaf spots and yellow mosaic of mungbean (<i>Vigna radiata</i>)	<i>Int. J. Pest Manage.</i> 56: 309-314	6.96	-
76.	Dubey, S.C., Tripathi, Aradhika and Singh, R.S.	2010	ITS-RFLP fingerprinting and molecular marker for detection of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i>	<i>Folia Microbiol.</i> 55: 629-634	7.0	-
77.	Lodha, M.L., Agarwal, Shashibala, Biswas, K. Vasudev, Sujata and Dubey, S.C.	2010	Antimicrobial activity of native and recombinant antiviral proteins from <i>Bougainvillea xbuttiana</i> leaves against plant pathogenic fungi and viruses	<i>Indian J. Agric. Biochem</i> 23: 83-90	4.03	-
78.	Singh, Birendra and Dubey, S.C.	2010	Bioagent based integrated management of <i>Phytophthora</i> blight of pigeonpea	<i>Archives of Phytopathology and Plant Protection</i> 43: 922-929	-	-
79.	Aggarwal, R., Singh, V.B., Shukla, R., Gurjar, M.S., Gupta, S. and Sharma T.R.	2010	URP-based DNA Fingerprinting of <i>Bipolaris sorokiniana</i> Isolates Causing Spot Blotch of Wheat	<i>J. Phytopathol</i> 158: 210-216	6.82	-
80.	Y. Chaturvedi, Maneesha Singh, S.K. Snehi, S.K. Raj and G.P. Rao	2010	Association of 'Candidatus phytoplasma asteris' (16Sr I group) with yellows and little leaf disease of <i>Hibiscus rosa-sinensis</i> in India	<i>Plant Pathology</i> DOI: 10.1111/j.1365-3059	7	-
81.	Y. Chaturvedi, G.P. Rao, A.K. Tewari, B. Duduk and A. Bertaccini	2010	Phytoplasma on Ornamentals: Detection, Diversity and Management	<i>Acta Phytopathologica et Entomologica Hungarica</i> 45: 31-69	12	-
82.	A.K. Tiwari, P.K. Sharma, M.S. Khan, S.K. Snehi, S.K. Raj and G.P. Rao	2010	Molecular detection and identification of <i>Tomato leaf curl</i> New Delhi virus isolate causing yellow mosaic disease in Bitter gourd (<i>Momordica charantia</i>), a medicinally important plant in India	<i>Medicinal Plants</i> 2(2): 117-123	3.4	12



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83.	K. Tiwari, Y.P. Bharti, S. Tripathi, N. Mishra, M. Lal, G.P. Rao, P.K. Sharma and M.L. Sharma	2010	Biotechnological approaches to improve sugarcane crop with special reference to disease resistance	<i>Acta Phytopathologica et Entomologica Hungarica</i> 45(2): 235-249	-	17
84.	S.K. Raj, C.S. K. Snehi, M.S. Khan, A.K. Tiwari and G.P. Rao	2010	First report of Pepper leaf curl Bangladesh virus strain associated with bitter melon (<i>Momordica charantia</i> L.) yellow mosaic disease in India	<i>Australasian Plant Disease Notes</i> 5: 14-16	-	12
85.	Singh, D., Shri Dhar and D.K. Yadav	2010	Effect of endophytic bacterial antagonists against black rot disease of cauliflower caused by <i>Xanthomonas campestris</i> pv. <i>campestris</i> .	<i>Indian Phytopathology</i> 63(2): 122-126	4.59	3
86.	Singh, D., Sinha, S., Yadav, D.K., Sharma, J. P., Srivastava, D.K., Lal, H.C., Mondal, K.K. and Jaiswal, R.K.	2010	Characterization of biovar/ races of <i>Ralstonia solanacearum</i> , the incitant of bacterial wilt in solanaceous crops	<i>Indian Phytopathology</i> 63(3): 261-265	4.59	7
87.	Baranwal V.K., Arya, M. and Singh Jasvir	2010	First report of two distinct badnaviruses associated with <i>Bougainvillea spectabilis</i>	<i>J Gen Pl Path.</i> 76:236-239	6.71	-
88.	Namrata, J., Saritha, R. K., Datta, D., Singh, R.S. Singh, M and Rai, A.B.	2010	Molecular characterization of <i>Tomato leaf curl Palampur virus</i> and <i>Pepper leaf curl betasatellite</i> naturally infecting pumpkin in India	<i>Virus Dis.</i> 21: 128-32	5	11
89.	Anandhan, S., Sivalingam, P.N., Satheesh, V., Saritha, R.K. and Parameshwari, B.	2011	Leaf curl disease of tomato in Haldwani (Uttarakhand), India region is caused by a begomovirus with satellite molecule DNA β'	<i>Arch. Phytopathol. Pflanzenschutz</i>	4	1
90.	Deepti Singh and G.P. Rao	2011	Molecular detection of two strains of <i>Sugarcane yellow leaf virus</i> in India and their secondary spread in nature through aphids	<i>Acta Phytopathologica et Entomologica Hungarica</i> 46(1):17-26	-	05
91.	Prameela Devi, T., Deeba Kamil, N. Prabhakaran and Pankaj Pandey	2011	Development of genus specific rDNA based marker for detection of <i>Trichoderma</i> species	<i>J. Mycol. Plant Pathol.</i> 41(4): 600-604	4	-



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92.	Rajesh Kumar, Kishore Kumar Nair, Md. Imteyaz Alam, Robin Gogoi, Pradeep Kumar Singh, Chitra Srivastava, Saurabh Yadav, Madhuban Gopal, Samarat Roy Chaudhary, Saheli Pradhan and Arunava Goswami	2011	A simple method for the estimation of sulfur in nanoformulations by UV spectrophotometry	<i>Current Science</i> 100(10): 1542-1546	6.91	-
93.	Sohliya, D. S. R., Gogoi, Robin, Puzari, K. C., Sar-mah, D.K. and Challeng, Anuradha	2011	Effect of steaming and gibberellic acid on the growth, yield and nutritional qualities of <i>Calocybe indica</i>	<i>Indian Phytopathology</i> 64(1): 71-74	4.59	-
94.	Tripathi Aradhika, Aggarwal Rashmi and Yadav Anita	2011	Determination of variability in monosporidial lines of <i>Tilletia indica</i> by RAPD analysis	<i>Archives of Phytopathology and Plant Protection</i> 44: 1312-1321	-	1
95.	Aggarwal, R., Kharbikar, L.L., Jain, Garima and Renu	2011	Identification of <i>Bipolaris sorokiniana</i> -responsive differential transcripts in wheat (<i>Triticum aestivum</i> L.)	<i>Indian Phytopathology</i> 64: 24-27	4.59	-
96.	Singh, S.K., Srivastava, K.D., Aggarwal, R. and Singh, V.B.	2011	Control of spot blotch (<i>Bipolaris sorokiniana</i>) of wheat using systemic fungicides	<i>Indian Phytopathology</i> 64: 82-84	-	4.59
97.	Sharma, R.R., R.K. Pal, Singh, D., D.V.K. Samuel, S. Sethi and A. Kumar	2011	Evaluation of heat shrinkable films for shelf life, and quality of individually wrapped Royal Delicious apples under ambient conditions	<i>J. Food Sciences & Technol.</i> DOI: 10.1007 / s13197- 011-0332-1	7.38	-
98.	Dubey, S.C., Tripathi, Aradhika, Bhavani R. and Singh, Birendra	2011	Evaluation of seed dressing and soil application formulations of <i>Trichoderma</i> species for integrated management of dry root rot of chickpea.	<i>Biocontrol Sci. Techn.</i> 21: 93-100	6.94	-
99.	Dubey, S.C., Tripathi, Aradhika, Dureja, P. and Grower, A.	2011	Characterization of secondary metabolites and enzymes produced by <i>Trichoderma</i> species and their efficacy against plant pathogenic fungi	<i>Indian J. Agril. Sci.</i> 81: 455-461		6.14
100.	Dubey, S.C, Bhavani, R. and Singh, B.	2011	Integration of soil application and seed treatment formulations of <i>Trichoderma</i> species for management of wet root rot of mungbean caused by <i>Rhizoctonia solani</i>	<i>Pest Manag. Sci.</i> 67: 1163-1168	-	8.69



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101.	Dubey, S.C., Tripathi, Aradhika, Upadhyay, B.K. and Thakur, M.	2011	Pathogenic behaviour of leguminous isolates of <i>Rhizoctonia solani</i> collected from different Indian agro-ecological regions	<i>Indian J. Agril. Sci.</i> 81: 64-69	6.14	-
102.	Jaiswal, P., Cheruku, J.R., Kumar, K., Yadav, S., Singh, A., Kumari, P., Dubey, S.C., Upadhyaya, K.C. and Verma, P.K.	2011	Differential transcript accumulation in chickpea during early phases of compatible interaction with a necrotrophic fungus <i>Ascochyta rabiei</i>	<i>Mol. Biol. Rep.</i> 39: 4635-4646	8.02	-
103.	Shridhar, A.D., Prasanna, R., Dubey, S.C., Nain, L., Chaudhary, V., Singh, R. and Saxena, A.K.	2011	Evaluating novel microbe amended composts as bio-control agents in tomato	<i>Crop Prot.</i> 30: 436-442	442.	7.49
104.	Thirumalaisamy, P.P., Singh, D.V., Aggarwal, Rashmi, Gogoi, Robin, Gupta, Pramod Kumar and Singh, Pradeep Kumar	2011	Development of specific primers for detection of Karnal Bunt pathogen of wheat	<i>Indian Phytopathology</i> 64(2): 164-172		4.59
105.	Pandey, R.K., Gupta, P. K., Srivastava, M., Singh, S.R. and Gogoi, Robin	2011	First report of brown leaf spot disease caused by <i>Curvularia lunata</i> infecting Indian spinach or poi (<i>Basella rubra</i>)	<i>Indian Phytopathology</i> 64(2): 207	4.59	-
106.	Rajesh Kumar, Kishore Kumar Nair, Sachindra Verma, Robin Gogoi, Pradeep Kumar Singh, Chitra Srivastava, Alpina, Madhuban Gopal, Samarat Roy Chaudhary and Arunava Goswami	2011	Developing nanosulfur for mitigation of agricultural pests and better crop health	<i>International Journal of Applied Agricultural Research (IJAAR)</i> 7(2): 87-90	-	-
107.	Prameela Devi T., Kamil D., Prabhakaran N. and Pandey P.	2011	Development of genus specific rDNA based marker for detection of <i>Trichoderma</i> species	<i>Journal Mycology and Plant Pathology</i> 41(4): 600-604	4.0	4.0
108.	R.K. Gaur and G.P. Rao	2011	Detection of a 16SrXII phytoplasma associated with sugarcane yellow leaf syndrome in India	<i>Archives of Phytopathology and Plant Protection</i> 43(11): 1132-1137	-	1



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109.	Smriti Mall, P.P. Upadhyaya and G.P. Rao	2011	Molecular characterization of Aster yellows (16SrI) group phytoplasma infecting <i>Cannabis sativa</i> in Eastern Uttar Pradesh	<i>Indian Phytopathology</i> 43(11) :132-137	3.8	1
110.	S.K. Raj, S.K. Snehi, M.S. Khan, A.K. Tiwari and G.P. Rao	2011	Molecular identification of an <i>Ageratum</i> enation virus isolate associated with mosaic disease of pointed gourd (<i>Trichosanthes dioica</i>) in India	<i>Phytoparasitica</i> DOI: 10.1007/s12600-011-0182-4	7.2	10
111.	G. P. Rao, S. Mall, S. K. Raj and S.K. Snehi	2011	Phytoplasma diseases affecting various plant species in India	<i>Acta Phytopathologica et Entomologica Hungarica</i> 46(1): 59-99	-	-
112.	Deepti Singh, G.P. Rao, S.K. Snehi, S.K. Raj, R. Karuppaiah and R. Viswanathan	2011	Molecular detection and identification of thirteen isolates of <i>Sugarcane yellow leaf virus</i> associated with sugarcane yellow leaf disease in nine sugarcane growing states, of India	<i>Australasian Plant Pathol</i> 40: 522-528	-	3
113.	Madhupriya, Y. Chaturvedi, G.P. Rao, S.K. Snehi and S.K. Raj	2011	First report of Phytoplasma 'Ca. P.trifoli'(16SrVI) group associated with leaf yellows of <i>Calotropis gigantea</i> R.Br. in India	<i>Plant Pathology</i> DOI: 10.5197/j.2044-0588	-	-
114.	N. Pandey, A.K. Tewari, G.P. Rao and K. Shukla	2011	Detection and identification of <i>Ageratum</i> enation virus infecting <i>Ageratum conyzoides</i> , in India.	<i>Acta Phytopathologica et Entomologica Hungarica</i> 46(2): 203-212		4
115.	G. P. Rao, Y. Chaturvedi, Madhu Priya and S. Mall	2011	Association of a 16SrII group phytoplasma with dieback disease of papaya in India	<i>Bulletin of Insectology</i> 64: 105-106	-	8
116.	S. Mall, Y. Chaturvedi, G.P. Rao, and V.K. Baranwal	2011	Phytoplasma Diversity in India	<i>Bulletin of Insectology</i> 64: 77-78	-	-
117.	R. Viswanathan and G.P. Rao	2011	Disease scenario and management of major sugarcane diseases in India	<i>Sugar Tech.</i> 13(4): 336-353	5	33
118.	S.K. Raj, S.K. Snehi, Mohd S. Khan, M. Singh, Y. Chaturvedi, A.K. Tiwari and Rao G.P.	2011	Molecular detection and identification of phytoplasmas associated with little leaf and witches' broom disease of marigold (<i>Tagetes erecta</i> L.) in India	<i>Phytopathogenic Mollicutes</i> 1(1): 51-53	-	-



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119.	H. Silinag, A.K. Tewari and Rao G.P., Singh D. and Shri Dhar	2011	<i>Candidatus</i> phytoplasma pini affecting <i>Taxodium distichium</i> var. <i>imbricarium</i> in China	<i>Phytopathogenic Mollicutes</i> 1(2): 91-94	-	5
120.	Singh D. and Shri Dhar	2011	Bio-PCR based diagnosis of <i>Xanthomonas campestris</i> pathovars in black rot infected leaves of crucifers	<i>Indian Phytopath.</i> 64 (1): 7-11	4.59	15
121.	Singh, D. and R.R. Sharma	2011	Beneficial effects of pre-harvest carbendazim and calcium nitrate sprays in kinnow (<i>Citrus nobilis</i> × <i>C. deliciosa</i>) storage	<i>Indian J. of Agril. Sciences</i> 81(5): 470-472	6.15	3
122.	Singh, D., Dhar, S. and Yadava, D.K.	2011	Genetic and Pathogenic Variability of Indian Strains of <i>Xanthomonas campestris</i> pv. <i>campestris</i> causing Black Rot Disease in Crucifers	<i>Curr. Microbiol.</i> 63: 551-60	7.42	18
123.	Aggarwal, R., Purwar, S., Kharbikar, L.K. and Gupta Sangeeta	2011	Induction of a wheat β 1,3 glucanase gene during the defense response to challenge by <i>Bipolaris sorokiniana</i>	<i>Acta Phthopathologica</i> 46: 39-47	-	5
124.	Aggarwal, R., Gupta, S., Singh, V.B. and Sharma, S.	2011	Microbial detoxification of pathotoxin produced by spot blotch pathogen <i>Bipolaris sorokiniana</i> infecting wheat	<i>Journal of Plant Biochemistry and Biotechnology</i> 20: 66-73	7.09	4
125.	Aggarwal, Rashmi, Banerjee, Sagar, Sharma, Sapna, Gupta, Sangeeta and Bashyal, B.M.	2011	Association of melanin content with conidiogenesis and virulence in <i>Bipolaris sorokiniana</i>	<i>Journal of Wheat Research</i> 3(1): 29-32	3.11	-
126.	Bashyal, B.M., Aggarwal, Rashmi, Banerjee, Sagar and Sharma, Sapna	2011	Association of melanin content of mycelia with sclerotial production and virulence in <i>Rhizoctonia solani</i> of paddy	<i>J. Mycol. Plant Pathol</i> 41: 414-417	4.00	-
127.	Aggarwal, Rashmi, Gupta, S., Banerjee, S. and Singh, V.B.	2011	Development of a SCAR marker for detection of <i>Bipolaris sorokiniana</i> causing spot blotch of wheat	<i>Can. J. Microbiol</i> 57: 934-942	7.22	5
128.	Aundy Kumar, Prameela T.P., Suseela Bhai R., Siljo A., Biju CN, Anandaraj M. and Vinatzer B.A.	2011	Small Cardamom (<i>Elettaria cardamomum</i> Maton.) and Ginger (<i>Zingiber officinale</i> Roxb) bacterial wilt is caused by same strain of <i>Ralstonia solanacearum</i> : A revelation by multilocus sequence typing (MLST)	<i>Eur. J. Plant Pathol.</i> 132(4): 477-482	7.71	-



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129.	Aravind R., Aundy Kumar, Dinu A. and S.J. Eapen	2011	Single tube duplex PCR for simultaneous detection of pathogens, <i>Phytophthora capsici</i> and <i>Radopholus similis</i> infecting black pepper (<i>Piper nigrum</i> L.)	<i>Indian Phytopathology</i> 64(4): 353-357	4.59	-
130.	Aggarwal, Rashmi	2011	Progress and challenges towards reducing spot blotch disease of wheat	<i>Indian Phytopathology</i> 64: 322-328	4.59	-
131.	Baranwal, V.K., Singh P., Jain R.K. and Joshi S.	2011	First Report of <i>Garlic virus X</i> Infecting Garlic in India	<i>Plant Disease</i> 9: 1197	8.74	-
132.	S. Majumder and V.K. Baranwal	2011	Sequence Comparison and Phylogeny of Nucleotide Sequence of Coat Protein and Nucleic Acid Binding Protein of a Distinct Isolate of Shallot virus X from India	<i>Virus Disease</i> 22: 63-65	6.0	-
133.	Namrata, J., Saritha, R.K., Datta, D., Singh M., Dubey, R.S., Rai, A.B. and Rai, M.	2012	Mixed infections of begomoviruses in pumpkins with yellow vein mosaic disease in North India	<i>Arch. Phytopathol. Pflanzenschutz</i> 45: 938-941	4	-
134.	Anupama Gupta, A.K. Gupta, Rishi Mahajan, Singh, D., Kishore Khosla, Rup Lal and Varsha Gupta	2012	Protocol for isolation and identification of <i>Agrobacterium</i> isolates from stone fruit plants and sensitivity of native <i>A. tumefaciens</i> isolates against agrocin produced by <i>A. radiobacter</i> strain K84	<i>Natl. Acad. Sci. Lett.</i> DOI: 10.1007/s40009-012-094-y	6.29	-
135.	Shadab Nizam, Sandhya Verma, Kunal Singh, Rashmi Aggarwal, Krishna Dutt Srivastava and Praveen K. Verma	2012	High reliability transformation of the wheat pathogen <i>Bipolaris sorokiniana</i> using <i>Agrobacterium tumefaciens</i>	<i>Journal of Microbiological Methods</i> 88: 386-392	8.03	11
136.	Biswas, Samir, Aggarwal, Rashmi, Srivastava, K.D., Gupta, Sangeeta and Dureja, Prem	2012	Characterisation of antifungal metabolites of <i>Chaetomium globosum</i> Kunze and their antagonism against fungal plant pathogens	<i>J. Biological Control</i> 26(1): 70-74	3.96	3
137.	Ahammed, S.K., Aggarwal, Rashmi, Sharma, Sapna, Gupta, Sangeeta and Bashyal, B.M.	2012	Production, partial purification and characterization of extra-cellular B-1,3-glucanase from <i>Chaetomium globosum</i> and its antifungal activity against <i>Bipolaris sorokiniana</i> causing spot blotch of wheat	<i>J. Mycol. Plant Pathol</i> 42: 146-152	4.00	1



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138.	Sharma, R.R., R.K. PAL, Singh, D., J. Singh, M.R. Dhiman and M. R. Rana	2012	Relationships between storage disorders and fruit calcium contents, lipoxygenase activity, and rates of ethylene evolution and respiration in 'Royal Delicious' apple (<i>Malus _ domestica</i> Borkh.)	<i>J. of Horticultural Science and Biotechnology</i> 87(4): 367-373	6.54	11
139.	Mondal K.K., T.P. Rajendran, C. Phaneendra, C. Mani, J. Sharma, Richa Sharma, Pooja, Geeta Verma, R. Kumar, D. Singh, A. Kumar, A.K. Saxena and R.K. Jain	2012	The reliable and rapid polymerase chain reaction (PCR) diagnosis for <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> in pomegranate	<i>African J. of Microbiology Research</i> 6(30): 5950-5956	4.00	8
140.	Aravind R., Kumar A., and S.J. Eapen	2012	Pre-plant bacterisation: a strategy for delivery of beneficial endophytic bacteria and production of disease-free plantlets of black pepper (<i>Piper nigrum</i> L.)	<i>Archives of Phytopathology and Plant Protection</i> 1-12, DOI: 10.1080/0323540 8.2012. 657894	6.31	-
141.	Dubey, S.C., Tripathi, Aradhika and Upadhyay, B.K.	2012	Molecular diversity analysis of <i>Rhizoctonia solani</i> isolates infecting various pulse crops in different agro-ecological regions of India	<i>Folia Microbiol.</i> 57: 513-524	7.0	-
142.	Dubey, S.C., Tripathi, Aradhika and Singh, Birendra	2012	Combination of soil application and seed treatment formulations of <i>Trichoderma</i> species for integrated management of wet root rot caused by <i>Rhizoctonia solani</i> in chickpea	<i>Indian J. agril. Sci.</i> 82: 357-364	6.14	-
143.	Dubey, S.C., Tripathi, Aradhika, Upadhyay, B. K. and Singh, Birendra	2012	Influence of weather and soil parameters on development of wet root rot in pulse crops and virulence analysis of <i>Rhizoctonia solani</i> isolates	<i>J. Agril. Sci.</i> 4: 191-205	-	-
144.	Sharma, M., Babu, T.K., Gaur, P.M., Ghosh, R., Rameshwar, T., Chaudhary, R.G., Upadhyay, J.P., Gupta, Om, Saxena, D.R. Kaur, L. Dubey, S.C., Anandani, V.P., Harer, P.N., Rathore, A. and Pande S.	2012	Identification and multi-environment validation of resistance to <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> in chickpea	<i>Field Crops Res.</i> 135: 82-88	8.98	-



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145.	Chaudhary, Vidhi, Prasanna, R., Nain, L., Dubey, S.C., Gupta, V., Singh, R., Jaggi, S. and Bhatnagar, A.K.	2012	Bioefficacy of novel cyanobacteria-amended formulations in suppressing damping off disease in tomato seedlings	<i>World J. Microbiol. Biotechnol.</i> 28: 3301-3310	7.78	-
146.	Dubey, S.C., Priyanka, K., Singh, V. and Singh, B.	2012	Race profiling and molecular diversity analysis of <i>Fusarium oxysporum</i> f.sp. <i>ciceris</i> causing wilt in chickpea	<i>J. Phytopathol.</i> 160: 576-587	6.82	-
147.	Mina, Usha, Bhatia, Arti and Dubey, S.C.	2012	Impact of ozone and carbon dioxide on wilt disease development in chickpea.	<i>Int. J. Environ. Enng. Manage.</i> 3: 373-376	-	-
148.	M. Gopal, C. Srivastava, R. Gogoi, Rajesh Kumar and A. Goswami	2012	Addressing Environmental Concern with Nano Pesticides for Sustainable Agriculture	<i>The International Journal of Environmental Sustainability (USA)</i> 8(1): 115-130	-	-
149.	Hooda, K.S., Sekhar, J.C., Chikappa, G. Karjagi, Kumar Sangit, Pandurange Gowda, K.T., Sreeramsetti, T.A., Sharma, S.S., Kaur, Harleen, Gogoi, R., Range Reddy, R., Kumar Pradeep, Singh, Akhilesh, Devlash, R.K. and Chandrashekara, C.	2012	Identifying sources of multiple disease resistance in maize	<i>Maize J.</i> 1(1): 82-84	-	-
150.	Prameela Devi T., N. Prabhakaran, Deeba Kamil, Jyoti Lekha Borah and Pankaj Pandey	2012	Development of species specific markers for detection of <i>Trichoderma</i> species	<i>Vegetos</i> 25(02): 207-217	6.0	-
151.	Prameela Devi T., Nita mathur, Deeba Kamil and Prabhakaran N.	2012	Proliferosphaera, a new genus from India	<i>Indian Phytopath.</i> 65(4): 395-398	4.59	-
152.	Prameela Devi T., Prabhakaran N., Deeba Kamil, Pankaj Pandey and Jyoti Lekha Borah	2012	Characterization of Indian native isolates of <i>Trichoderma</i> spp. and assessment of their bio-control efficiency against plant pathogens	<i>Afr. J. Biotechnol.</i> 11(85): 15150-15160	-	5
153.	Kamil D., Devi T.P., Mathur N., Singh O.P., Pandey P., Prabhakaran N. and Patil V.	2012	Addition of two new Species of <i>Pestalotiopsis</i> to the fungal diversity in India	<i>Journal of Mycopathological Research</i> 50(1): 185-191	3.17	-



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154.	Sahana N., Kaur H., Basavaraj, Tena F., Jain R.K., Palukaitis P., Canto T. and Praveen S.	2012	Inhibition of the Host Proteasome Facilitates Papaya Ringspot Virus Accumulation and Proteosomal Catalytic Activity Is Modulated by Viral Factor HcPro.	<i>PLoS ONE</i> 7(12): e52546	9.73	26
155.	Prameela Devi T., Prabhakaran N., Deeba Kamil, Pankaj Pandey and Jyoti Lekha Borah	2012	Characterization of Indian native isolates of <i>Trichoderma</i> spp. and assessment of their bio-control efficiency against plant pathogens	<i>Afr. J. Biotechnol.</i> 11(85): 15150-15160	7.0	-
156.	Prameela Devi T., N. Prabhakaran, Deeba Kamil, Jyoti Lekha Borah and Pankaj Pandey	2012	Development of species specific markers for detection of <i>Trichoderma</i> species	<i>Vegetos</i> 25(02): 207-217	6.2	-
157.	Prameela Devi T., Nita mathur, Deeba Kamil and Prabhakaran N.	2012	Proliferosphaera, a new genus from India	<i>Indian Phytopath.</i> 65(4): 395-398	3.8	-
158.	Deeba Kamil, T.Prameela Devi, Nita Mathur, O.P. Singh, Pankaj Pandey, Prabhakaran N. and Vijay Patil	2012	Addition of two new Species of <i>Pestalotiopsis</i> to the fungal diversity in India.	<i>J. Mycopathol. Res.</i> 50(1): 185-191	404	-
159.	Aggarwal, Rashmi, Sangeeta Gupta, sapna Sharma, Sagar Banerjee and Priyanka Singh	2012	Cloning and expression of a small heat and salt tolerant protein (Hsp22) from <i>Chaetomium globosum</i>	<i>Ind. J. Expt. Biol.</i> 50: 826-832	6.84	-
160.	G.P. Rao, A.K. Tewari, Maneesha Singh, Yamini Chaturvedi, Richa Srivastava and Madhupriya	2012	Characterization of an isolate of <i>Candidatus Phytoplasma asteris</i> infecting <i>Zinnia elegans</i> in India	<i>Phytopathogenic Mollicutes</i> 1(2): 91-94	-	-
161.	A.K.Tiwari, S.K. Viswakarma, S.P. Singh, P. Kumar, MS Khan, S.C. Chun, and G.P. Rao	2012	First report of a <i>Candidatus Phytoplasma asteris</i> associated with little leaf disease of <i>Ageratum conyzoides</i> in India	<i>New Disease Reports</i> 26:18	7	-
162.	Namita Singh, Madhupriya, G.P. Rao and P.P. Upadhyaya	2012	Ca P <i>trifolii</i> ' associated with little leaf and witches'broom disease of <i>Datura stramonium</i> in India	<i>Phytopathogenic Mollicutes</i> 2(2): 69-71	-	2



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163.	Singh, D., D.K. Yadav, Shweta Singha and B.K. Upadhyay	2012	Utilization of plant growth promoting <i>Bacillus subtilis</i> isolates for the management of bacterial wilt incidence in tomato caused by <i>Ralstonia solanacearum</i> race 1 biovar 3	<i>Indian Phytopath.</i> 65(1): 18-24	4.59	6
164.	Singh, D.K. Yadav, Shweta Sinha and Harshita Singh	2012	Effect of safe chemicals and bleaching powder on bacterial wilt incidence in tomato caused by <i>Ralstonia solanacearum</i> race 1 bv. 3.	<i>Ann. Plant. Protec. Sci.</i> 20(2): 426-429	3.65	-
165.	Gupta, K.N., Baranwal, V.K. and Haq Q.M.R.	2012	Sequence analysis and comparison of 16S rRNA, 23S rRNA and 16S/23S intergenic spacer region of greening bacterium associated with yellowing disease (Huanglongbing) of kinnow mandarin. of seed transmission	<i>Indian J. Microbiol.</i> 52: 13-20	6.83	-
166.	Singh. J, Rani A, Kumar P., Baranwal V.K., Saroj P.L. and Sirohi. A	2012	First report of a 16SrII-D phytoplasma 'Candidatus-Phytoplasmaaustralasia' associated with a tomato disease in India	<i>New Disease Reports</i> 26: 14	-	-
167.	Prameela Devi T., Kulanthaivel S., Kamil D., Borah J.L., Prabhakaran N. and Srinivasa N.	2013	Biosynthesis of silver nanoparticles from <i>Trichoderma</i> species	<i>Indian Journal of Experimental Biology</i> 51(7)	6.84	12
168.	Prameela Devi, T.N. Prabhakaran, Deeba Kamil, Jyoti Lekha Borah and G. Alemayehu	2013	Development of SCAR marker for specific detection of <i>Aspergillus flavus</i> .	<i>Afr. J. Microbiol. Res.</i> 7(9): 783-790	7.0	2
169.	Tripathi, Aradhika, Rashmi Aggarwal and Anita Yadav	2013	Differential expression analysis of defense related genes responsive to <i>Tilletia indica</i> infection in wheat	<i>Turkish J. Biology</i> 37: 606-613	7.34	-
170.	Prameela Devi, T.S. Kulanthaivel, Deeba Kamil, Jyoti Lekha Borah N. Prabhakaran and N. Srinivasa	2013	Biosynthesis of silver nanoparticles from <i>Trichoderma</i> species	<i>Indian J. Exp. Biol.</i> 51: 543-547	6.75	-



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171.	Uma Maheswari, Nita Mathur, P. Nallatambi and T. Prameela Devi	2013	Comparative Morphology and Taxonomy of the genus <i>Chaetomium</i> Kunze and its species	<i>J. Mycol. Plant Pathol.</i> 43(1): 67-71	3.17	-
172.	Prabha K., Baranwal, V.K. and Jain R.K.	2013	Applications of next generation high throughput sequencing technologies in characterization, discovery and molecular interaction of plant viruses	<i>Virus Dis.</i> 24(2): 157-165	6.0	-
173.	Prameela Devi T., Deebakamil, N. Prabhakaran and Nita Mathur	2013	<i>Capillosclerotium</i> , a new genus in the order Corticiales causing Stem rot of Cluster Bean (<i>Cyanopsis tetragonoloba</i> L.)	<i>J. Mycopathol. Res.</i> 51(1): 89-94	3.17	-
174.	Patra Prasun, Samrat Roy Choudhury, Subhankar Mandal, Anirban Basu, Arunava Goswami, Robin Gogoi, Chitra Srivastava, Rajesh Kumar and Madhuban Gopal	2013	Effect of Sulfur and ZnO Nanoparticles on Stress Physiology and Plant (<i>Vigna radiata</i>) Nutrition. In: Advanced Nanomaterials and Nanotechnology, P.K. Giri <i>et al.</i> (eds.)	<i>Springer Proceedings in Physics</i> 143 DOI: 10.1007/978-3-642-34216-5_31	-	-
175.	Gogoi Robin, Pradeep Kumar Singh, Rajesh Kumar, Kishore Kumar Nair, Imteyaz Alam, Chitra Srivastava, Saurabh Yadav, Madhuban Gopal, Samrat Roy Choudhury and Arunava Goswami	2013	Suitability of Nano-sulphur for Biorational Management of Powdery mildew of Okra (<i>Abelmoschus esculentus</i> Moench) caused by <i>Erysiphe cichoracearum</i>	<i>Journal of Plant Pathology and Microbiology</i> 4: 4	0.42	-
176.	Akhter M.S., Basavaraj Y. B., Akanda A.M., Mandal B. and Jain R.K.	2013	Genetic Diversity Based on Coat Protein of Papaya ringspot virus (<i>Pathotype P</i>) Isolates from Bangladesh	<i>Indian Journal of Virology (Virus Disease)</i> 24: 70-73	6.36	-
177.	Dubey, S.C., Tripathi, Aradhika and Singh, Birendra	2013	Integrated management of Fusarium wilt by combined application of soil and seed dressing formulations of <i>Trichoderma</i> species to increase grain yield of chickpea	<i>Int. J. Pest Manage.</i> 59: 47-54	6.96	-
178.	Dubey, S.C. and Singh, Birendra	2013	Integrated management of major diseases of mungbean by seed treatment and foliar application of insecticide, fungicides and bioagent	<i>Crop Prot.</i> 47: 55-60	7.49	-



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179.	Upadhyay, B.K., Dubey S.C., Singh, Ravindra and Tripathi, Aradhika	2013	Morpho-molecular characterization of Indian isolates of <i>Rhizoctonia solani</i> infecting mungbean	<i>Research Journal of Biotechnology</i> 8: 92-99	6.28	-
180.	Dinesh, R., Anandaraj, M., Aundy Kumar, Srinivasan, V., Bini, Y.K., Subila, K.P. and Hamza, S.	2013	Effects of Plant Growth-Promoting Rhizobacteria and NPK Fertilizers on Biochemical and Microbial Properties of Soils Under Ginger (<i>Zingiber officinale</i>) Cultivation	<i>Agricultural Research</i> 2(4): 346-353	-	-
181.	Vinod V, Kumar A. and T. John Zacchariah	2013	Purification and characterization of polygalacturonase from <i>Bacillus licheniformis</i> MTCC 5408 – An industrially important bacterium for white pepper production	<i>International Journal of Applied Biotechnology & Biochemistry</i> 3: 25-36	-	-
182.	Aundy Kumar, Prameela T.P. and Suseelabhai R.	2013	A unique DNA repair and recombination gene (<i>recN</i>) sequence for identification and intraspecific molecular typing of bacterial wilt pathogen <i>Ralstonia solanacearum</i> and its comparative analysis with ribosomal DNA sequences	<i>Journal of Biosciences</i> 38: 267-278	7.94	-
183.	Suseelabhai, R., Sasikumar, B. and Aundy Kumar	2013	Evaluation of ginger germplasm for resistance to soft rot caused by <i>Pythium myriotylum</i>	<i>Indian Phytopathology</i> 66 (1): 93-95	4.59	-
184.	B.M. Bashyal and Rashmi Aggarwal	2013	Molecular identification of <i>Fusarium</i> spp. associated with bakanae disease of rice in India	<i>Indian J. of Agricultural Sciences</i> 83(2): 72-77	6.14	8
185.	Aggarwal, R., Lalit L. Kharbikar, Sapna Sharma, Sangeeta Gupta and Anita Yadav	2013	Phylogenetic relationships of <i>Chaetomium</i> isolates based on the internal transcribed spacer region of the rRNA gene cluster	<i>Afr. J. Biotechnol.</i> 12: 914-920	-	8
186.	B.M. Bashyal and Rashmi Aggarwal	2013	Molecular identification of <i>Fusarium</i> spp. associated with bakanae disease of rice in India	<i>Indian J. Agricultural Sciences</i> 83(1): 72-77	-	6.14
187.	Madhupriya, G.P. Rao and S.M.P. Khurana	2013	Association of pigeon pea witches broom phytoplasma infecting <i>Phlox drummandi</i> in India	<i>New Disease Reports</i> 27: 15	-	7



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188.	Madhupriya, G.P. Rao and S.M. Paul Khurana	2013	' <i>Candidatus</i> Phytoplasma asteris' association with leaf yellows and witches' broom symptoms of <i>Brachycome</i> species in India	<i>Phytopathogenic Mollicutes</i> 3(2): 91-94	-	-
189.	G.P. Rao, Madhupriya, Ajay K. Tiwari, S. Kumar and V.K. Baranwal	2013	Identification of sugarcane grassy shoot-associated phytoplasma and one of its putative vectors in India	<i>Phytoparasitica</i> DOI: 10.1007/s12600-013-0366-1	-	-
190.	G. Prakash, U.D. Singh, P. Sharma and R.T.P. Pandian	2013	Evaluation of pesticides against rice sheath blight caused by <i>Rhizoctoniasolani</i>	<i>Indian Phytopathology</i> 66(4): 351-355	-	4.59
191.	Singh, D., D.K. Yadav, Shweta Sinha, K.K. Mondal, Gita Singh, R. R. Pandey, and Rajender Singh	2013	Genetic diversity of iturin producing strains of <i>Bacillus</i> species antagonistic to <i>Ralstonia solanacearum</i> causing bacterial wilt disease in tomato	<i>African Journal of Microbiology Research</i> 7(48): 5459-5470	4.0	2
192.	Srinivasa, N., Rymbai, H. R., Rajesh, A.M., Ganeshmoorthi, P., Ramanujam, B. and Yathish K.R.	2013	Morphological and biochemical characterization of antagonist <i>Pseudomonas</i> isolates	<i>International Journal of Agricultural Sciences</i> 9(1): 14-23	2.37	-
193.	Srinivasa, N. and Prameela Devi, T.	2013	Separation and identification of antifungal compounds from <i>Trichoderma</i> species by GC-MS and their bio-efficacy against soil-borne pathogens	<i>Bioinfolet.</i> 11(1B): 255-257	4.20	-
194.	Yadav M.K., Biswas K.K., Lal S., Baranwal, V.K. and Jain R.K.	2013	A distinct strain of <i>Cowpea mild mottle virus</i> infecting soybean in India	<i>J. Phytopathol.</i> 161: 739-744	6.92	-
195.	Ghosh, D., Bhowse, S., Mukherjee, K. and Baranwal, V.K.	2013	Sequence and evolutionary analysis of ribosomal DNA from Huanglongbing (HLB) isolates of Western India	<i>Phytoparasitica</i> 41: 295-305	6.68	-
196.	Manjunatha N., T. Prameela Devi, N. Prabhakaran, Gurudevi V. Navali and Swathi S. Patil	2014	Morphological and molecular diversity of <i>Sclerotinia sclerotiorum</i> (lib.) de bary isolates of India	<i>The Bioscan</i> 9(4): 1763-1767	4.57	1
197.	Kamil D., Prameeladevi T., Sabarinathan D. and Prabhakaran N.	2014	Comparative morphology, genetic variability and taxonomy of genus <i>Phoma</i> and its agriculturally important species	<i>Journal of Pure and Applied Microbiology</i> 8(6): 5029-5044	6.0	-



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198.	Sharma, S., Aggarwal, R., Yadav, A. and Gupta, S.	2014	Protein mapping of <i>Chaetomium globosum</i> , a potential biocontrol agent through proteomics approach	<i>J. Plant Biochem. Biotech.</i> 23(3): 284-292	7.09	3
199.	S. Sunder, Ram Singh and R. Aggarwal	2014	Brown spot of rice: an overview	<i>Indian Phytopathology</i> 67(3): 201-215	4.39	1
200.	Jameel Jhalegar, M.D., R.R. Sharma and Dinesh Singh	2014	In vitro and in vivo activity of essential oils against major postharvest pathogens of Kinnow (<i>Citrus nobilis</i> × <i>C. deliciosa</i>) mandarin	<i>J. Food Sci. Technol.</i> DOI: 10.1007/s13197-014-1281-2	8.20	0
201.	Md. Jameel Jhalegar, Ram Roshan Sharma and Dinesh Singh	2014	Antifungal efficacy of botanicals against major postharvest pathogens of Kinnow mandarin and their use to maintain postharvest quality	<i>Fruits</i> 69: 223-237	6.88	3
202.	Shri Dhar and Singh, D.	2014	Performance of cauliflower genotypes for yield and resistance against black rot (<i>Xanthomonas campestris</i> pv. <i>campestris</i>)	<i>Indian J. Hort.</i> 71(2): 197-201	6.13	0
203.	Dubey, S.C., Priyanka, Kumari and Upadhyay, B.K.	2014	Development of molecular markers and probes based on TEF-1 α , β -tubulin and ITS gene sequences for quantitative detection of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> by using real-time PCR	<i>Phytoparasitica</i> 42: 355-366	6.90	-
204.	Priyanka, K., Dubey, S.C. and Singh, A.K.	2014	Intergenic spacer region based marker for identification and quantification of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> in chickpea plant using real time PCR assay	<i>Res. J. Biotech.</i> 9: 36-40	6.28	-
205.	Dubey, S.C., Tripathi, Aradhika, Upadhyay, B.K. and Deka, U.K.	2014	Diversity of <i>Rhizoctonia solani</i> associated with pulse crops in different agro-ecological regions of India	<i>World J. Microbiol. Biotech.</i> 30: 1699-1715	7.78	-



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206.	Dubey, S.C., Priyanka, K. and Singh V.	2014	Phylogenetic relationship between different race representative populations of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> in respect of translation elongation factor-1 α , β -tubulin and internal transcribed spacer region genes	<i>Arch. Microbiol.</i> 196: 445-452	7.67	-
207.	Priyanka, K., Dubey, S.C. and Singh, A.K.	2014	IGS region based phylogenetic analysis to resolve interspecific relationship within <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i>	<i>Indian J. Plant Prot.</i> 42: 398-405	4.90	-
208.	Kamil D., Sharma D.K., Prameeladevi T. and Singh M.	2014	First report of leaf blight of <i>Aloe vera</i> caused by <i>Sphaeropsis sapinea</i> in india	<i>Journal of Plant Pathology</i> 96(4): S4.113-S4.131	7.04	3
209.	Singh, N., Purusottam, Tomar, A., Kumar, R; Dhyani, B.P., Prasad, L. and Poonia, S.	2014	Isolation, Biochemical characterization and preparation of biofertilizer using Rhizobium strains (<i>Vigna mungo</i>) for farmers use	<i>J. Plant Development Science</i> 6(4): 550-509 (J342/ 2.35)	2.35	-
210.	Priti, S. and T. Prameela Devi	2014	Morphological Analyses and Molecular Phylogenetics of <i>Helminthosporium</i> group of fungi	<i>Bioinfolet</i> 11(3B): 885-891	3.75	-
211.	Prabhakaran N, T. Prameela Devi, Sathiyabama M. and Deeba Kamil	2014	Multiplex PCR for detection and differentiation of diverse <i>Trichoderma</i> species	<i>Annals of Microbiology</i> DOI: 10.1007/s13213-014-0998-5	7.55	2
212.	Mathew S.B., Sharma R.K., Prameeladevi T., Sharma P. and Kamil D.	2014	Morphological and molecular characterization of <i>Ustilaginoidea virens</i> isolates causing false smut of rice in India	<i>Indian Phytopathology</i> 67(3): 222-227	4.59	2
213.	Kamil D., Sharma D.K., Prameeladevi T. and Singh M.	2014	First report of leaf blight of <i>Aloe vera</i> caused by <i>Sphaeropsis sapinea</i> in India	<i>Journal of Plant Pathology</i> 96(4): S4.113-S4.131	6.99	3
214.	Kamil D., Prameeladevi T., Sabarinathan D. and Prabhakaran N.	2014	Comparative morphology, genetic variability and taxonomy of genus <i>Phoma</i> and its agriculturally important species	<i>Journal of Pure and Applied Microbiology</i> 8(6): 5029-5044	6.0	-



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215.	Nair, Kishore, K., Siddiqui, Weqar A., Kumar Rajesh, Niwas Ram, Gogoi Robin, Srivastava and Gopal Madhuban	2014	Sensitive and rapid determination of elemental nano-sulfur/sulfur by Liquid Chromatography	<i>Journal of Separation Science</i> 37: 9-10	8.59	-
216.	Mishra, P.K., Gogoi, Robin, Singh, P.K., Rai, S.N., Kumar, Arun and Manjunatha, C.	2014	Morpho-cultural and pathogenic variability of <i>Rhizoctonia solani</i> isolates of rice, maize and green gram	<i>Indian Phytopathology</i> 67(2): 147-154	4.59	-
217.	Gogoi, Robin, Sanjay Singh, Pradeep K. Singh and S.N. Rai.	2014	Genetic variability in the isolates of <i>Bipolaris maydis</i> causing maydis leaf blight of maize	<i>African Journal of Agricultural Research</i> 9(24): 1906-1913	6.0	-
218.	Sharma R.K. and Kamil D.	2014	Yield enhancement of different species of Oyster Mushroom (<i>Pleurotus</i> spp.) by animal waste products	<i>Annals of Plant Protection Sciences</i> 22(2): 406-409	3.65	-
219.	Aggarwal, R., Sharma, S. Gupta, S. and Shukla, R.	2014	Development of conventional and real time PCR assay for the rapid detection and quantification of a bio-control agent, <i>Chaetomium-globosum</i>	<i>Journal of Plant Pathology</i> 96(3): 39-48. (6.69)	7.04	2
220.	Aggarwal R., Sharma, S., Gupta S., Jahani M., Banerjee S., Singh V.B., Bashyal B.M. and Srinivas P.	2014	Phylogenetic relationship among <i>B. ipolaris</i> species based on morphological and molecular variability in internal transcribed spacer region of the nuclear ribosomal DNA	<i>Res. J. Biotech.</i> 9(10): 1-8	6.28	-
221.	Bashyal, B.M, Chand R. and Aggarwal R.	2014	Population in the <i>Bipolaris sorokiniana</i> of barley (<i>Hordeum vulgare</i> L.) through anastomosis	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i>	6.00	-
222.	Madhupriya, G.P. Rao and S.M.P. Khurana	2014	Association of 'Ca. Phytoplasma asteris' (16SrI group) with flattened stem and witches' broom symptoms of <i>Petunia hybrida</i> in India	<i>Indian Phytopathology</i> 67(1): 106-108	4.59	2
223.	A.K. Tiwari, K. Shukla, S. Kumar, Madhupriya and G.P. Rao	2014	' <i>Candidatus</i> phytoplasma asteris' association with leaf yellows and witches' broom symptoms of <i>Codiaeum variegatum</i> in India	<i>Journal of Plant Pathology</i> 96 (4, Supplement): S4.113- S4.131	6.77	-



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224.	Singh, D., Shweta Sinha, Garima Chaudhary, D.K. Yadav and K.K. Mondal	2014	Genetic diversity of biovar 3 and 4 of <i>Ralstonia solanacearum</i> causing bacterial-wilt of tomato using BOX-PCR, RAPD and hrp gene sequences	<i>Indian Journal of Agricultural Sciences</i> 84(3): 391-395	6.14	8
225.	Singh, D., Raghavendra, B.T., Singh Rathaur, P., Singh, H., Raghuwanshi, R. and Singh, R.P.	2014	Detection of black rot disease causing pathogen <i>Xanthomonas campestris</i> pv. <i>campestris</i> by bio-PCR from seeds and plant parts of cole crops	<i>Seed Sci. and Technol.</i> 42: 36-46	6.13	-
226.	Singh, D., Shweta Sinha, D.K. Yadav and Garima Chaudhary	2014	Detection of <i>Ralstonia solanacearum</i> from asymptomatic tomato plants, irrigation water, and soil through non-selective enrichment medium with hrp gene-based bio-PCR	<i>Curr. Microbiol.</i> 69(2): 127-134	7.42	4
227.	Baranwal, V.K., Sharma, S.K., Khurana D. and Varma, R.	2014	Sequence analysis of shorter than genome length episomal Banana streak OL virus like sequences isolated from banana in India	<i>Virus Genes.</i> 48: 120-127	7.7	-
228.	Rao, G.P., Sharma, S.K., Singh, D., Arya, M., Singh, P. and Baranwal, V.K.	2014	Genetically Diverse Variants of <i>Sugarcane bacilliform virus</i> Infecting Sugarcane in India and Evidence of a Novel Recombinant Badnavirus Variant	<i>J. Phytopathol.</i> 162: 779-787	6.92	-
229.	Majumder, S. and Baranwal, V.K.	2014	Simultaneous detection of four garlic viruses by multiplex reverse transcription PCR and their distribution in Indian garlic accessions	<i>J. Virol. Methods.</i> 202: 34-38	7.88	-
230.	Singh P., Prabha K., Jain, R.K. and Baranwal, V.K.	2014	N terminal in coat protein of <i>Garlic virus X</i> is indispensable for its serological detection.	<i>Virus Genes.</i> 48(1): 128-132	7.84	-
231	Manimekalai R., Soumya V.P., Smita Nair, George V. Thomas and Baranwal V.K.	2014	Molecular characterization identifies 16SrXI-B group phytoplasma (<i>Candidatus-phytoplasmaoryzae</i> -related strain) associated with root wilt disease of coconut in India	<i>Scientia Horticulturae</i> 165: 288-29	7.5	-



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232.	Sharma, P. and Shanmugam, V.	2014	Review of the book, Annual Reviews of Phytopathology, 2013. Neal K. Van Alfen, Jan E. Leach and Steven Lindow	<i>Curr. Sci.</i> 106 (6)	6.91	-
233.	Sharma, P., Sharma, M., Raja, M. and Shanmugam, V.	2014	Status of <i>Trichoderma</i> research in India	<i>Indian Phytopathology</i> 67(1): 1-19	4.59	7
234.	Rashmi Aggarwal, Sapna Sharma, Sangeeta Gupta, M. Jahani, S. Banerjee, V. Singh, B.M. Bashyal and P. Srinivas	2014	Phylogenetic relationship among <i>Bipolaris</i> species based on morphological and molecular variability in internal transcribed spacer region of the nuclear ribosomal DNA	<i>Res. J. Biotech.</i> 9(10): 1-8	6.28	-
235.	B.M. Bashyal, Ramesh Chand and Rashmi Aggarwal	2014	Emergence of aggressive population in the <i>Bipolaris sorokiniana</i> of barley (<i>Hordeum vulgare</i> L.) through anastomosis	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-014-0391-y	6.0	-
236.	Ghosh A., Das A., Ramu Meena and V.K. Baranwal	2014	Evidence for resistance to <i>Citrus tristeza virus</i> in pomelo (<i>Citrus maxima</i> Merr.) grown in Darjeeling and Sikkim hills of India	<i>Phytoparasitica</i> 42: 503-508	6.68	-
237.	Aundy Kumar, T.P. Prameela, R.S. Bhai, A. Siljo, M. Anandaraj and B.A. Vinatzer	2014	Host specificity and genetic diversity of race 4 strains of <i>Ralstonia solanacearum</i>	<i>Plant Pathology (BSPP)</i> DOI: 10.1111/ppa.12189, http://onlinelibrary.wiley.com/doi/10.1111/ppa.12189	8.73	-
238.	Vinod, V., Aundy Kumar and Zachariah, T.J.	2014	Isolation, characterization and identification of pericarp-degrading bacteria for the production of off-odour-free white pepper from fresh berries of <i>Piper nigrum</i> L.	<i>Journal of Applied Microbiology</i> 116(4): 890-902 DOI: 10.1111/jam.12431	8.39	-
239.	Song, C., Aundy Kumar, van de Mortel, J. and Raaijmakers, J.M.	2014	Discovery of new regulatory genes of lipopeptide biosynthesis in <i>Pseudomonas fluorescens</i>	<i>FEMS Microbiology Letters</i> DOI: 10.1111/1574-6968.12404	8.05	-



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240.	Aundy Kumar, Prameela T.P. and Birendranath Panja	2014	Genetic characterization of an Indian isolate of <i>Ralstonia solanacearum</i> race 3/ biovar 2/ phylotype IIB from potato	<i>Indian Phytopathology</i> 67(4): 346-352	4.59	-
241.	Dinesh, R., Anandaraj, M., Aundy Kumar, Subila, K. P., Bini, Y.K. and Aravind, R.	2014	Native multi-trait rhizobacteria promote growth and suppress foot rot in black pepper	<i>Journal of Spices and Aromatic Crops</i> 23(2): 156-163	-	3.77
242.	Singh J., Rani A., Kumar, P., Baranwal V.K., Saroj, P.L., Sirohi, A, Pandey A.N. and Schenk, P.M.	2014	New host record of a ' <i>Candidatu sphytoplasmaasteris</i> '-related strain infecting peach in India	<i>Australasian Plant Dis.</i> 9: 125	-	-
243.	Ghosh A., Das A., K. B. Pun, R. Kumar, Ramu Meena and Baranwal V.K.	2014	Present Status of <i>Citrustristeza virus</i> in Darjeeling hills and its detection in different parts of Citrus spp. and aphid vector	<i>Phytoparasitica</i> 42: 381-386	6.68	-
244.	Aggarwal, R.	2015	<i>Chaetomium globosum</i> : A potential biocontrol agent and its mechanism of action	<i>Indian Phytopathology</i> 8(1): 8-24	4.59	-
245.	Dey, S.S., Kanika Sharma, Bhatia, R., Sandeep Kumar, G.M., Singh, D., Raj Kumar and Chander Parkash	2015	Inter specific hybridization (<i>Brassica carinata</i> x <i>Brassica oleracea</i>) for introgression of black rot resistance genes into Indian cauliflower (<i>B. oleracea</i> var. <i>botrytis</i> L.)	<i>Euphytica</i> DOI: 10.1007/s10681-015-1352	7.39	2
246.	Narayana Bhat, M., H.R. Sardana, Singh, D., Chitra Srivastava and Mobin Ahmad	2015	Evaluation of chemicals and bioagents against <i>Sclerotium rolfsii</i> causing southern blight of bell pepper (<i>Capsicum annuum</i>)	<i>Indian Phytopath.</i> 68(1): 97-100	4.59	1
247.	Narayana Bhat M., Dinesh Singh, H.R. Sardana, S. Vennila and Mobin Ahmad	2015	Occurrence and bio-control of stem canker and black scurf (<i>Rhizoctonia solani</i>) of potato (<i>Solanum tuberosum</i>) in subtropical plains of India	<i>Indian Journal of Agricultural Sciences</i> 85(5): 730-733	6.14	1
248.	Partha Saha, Pritam Kalia, Munish Sharma and Singh, D.	2015	New source of black rot disease resistance in <i>Brassica oleracea</i> and genetic analysis of resistance	<i>Euphytica</i> DOI: 10.1007/s10681-015-1524-y	7.39	1



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249.	Gupta, A.K., Aditi Sharma, Singh, D., Sunita Chandel, R.C. Sharma, Rishi Mahajan, and Anupama Gupta	2015	Occurrence of crown gall caused by <i>Agrobacterium tumefaciens</i> on rose	<i>Indian Phytopath.</i> 68(2): 229-230	4.59	-
250.	Saha, N.D., Chaudhary, A., Singh, S.D., Singh, D., Walia, S. and Das, T.K.	2015	Plant Pathogenic Microbial Communication Affected by Elevated Temperature in <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i>	<i>Current Microbiology</i> 71(5) DOI: 10.1007/s00284-015-0888-5	7.42	-
251.	Amalendu Ghosh, Amrita Das, Ruben Lepcha, Kaushik Majumder and V.K. Baranwal	2015	Identification and distribution of aphid vectors spreading Citrus tristeza virus in Darjeeling hills and Dooars of India	<i>Journal of Asia Pacific Entomology</i> 18(3): 601-605	6.824	-
252.	Dubey, S.C., Singh, Vivek, Priyanka, Kumari, Upadhyay, B.K. and Singh Birendra	2015	Combined application of fungal and bacterial bio-agents, together with fungicide and <i>Mesorhizobium</i> for integrated management of Fusarium wilt of chickpea	<i>Bio-Control</i> 60: 413-424	6.94	-
253.	Upadhyay, B.K., Dubey, S.C., Singh R. and Tripathi Aradhika	2015	Diversity analysis and comparison of ITS and SCAR based molecular markers to detect <i>Rhizoctonia solani</i> using conventional and real-time PCR	<i>Journal of Pure and Applied Microbiology</i> 9: 1281-1293	-	-
254.	Arora, Sumitra, Mogha, N.K., Bhardwaj, T., Sahu, V. and Dubey, S.C.	2015	A biorational approach for management of key plant pathogens.	<i>Indian Journal of Agricultural Sciences</i> 85: 759-763	6.14	-
255.	Tripathi, Aradhika and Dubey, S.C.	2015	Sequence-related amplified polymorphism-PCR analysis for genetic diversity in <i>Rhizoctonia solani</i> populations infecting pulse crops in different agro-ecological regions of India	<i>Plant Pathology Journal</i> 14: 234-241	6.72	-
256.	Priyanka, K., Dubey, S.C. and Singh, A.K.	2015	Conventional and real-time PCR assays for specific detection and quantification of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> in plants using intergenic spacer region-based marker	<i>Biologia.</i> 70: 314-319	6.83	-



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257.	Deeba Kamil, Prameeladevi T., N. Prabhakaran and R.K. Sharma	2015	NADH Dehydrogenase Sub unit 6: Asuitable secondary Barcode for speciation of genus <i>Fusarium</i>	<i>Journal of Pure and Applied Microbiology</i>	09	-
258.	Rajesh Kumar, Kishore Kumar Nair, Md. Imteyaz Alam, Robin Gogoi, Pradeep Kumar Singh, Chitra Srivastava, Madhuban Gopal and Arunava Goswami	2015	Development and Quality Control of Nanohexaconazole as an Effective Fungicide and its biosafety studies on soil nitrifiers	<i>Journal of Nanoscience and Nanotechnology</i> 02/2015; 15(2): 1350-1356	7.34	-
259.	Saini, Priya, Gopal Madhuban, Kumar Rajesh and Gogoi Robin	2015	Residue, dissipation and safety evaluation of pyridalyl nanoformulation in okra [<i>Abelmoschus esculentus</i> (L.) Moench]	<i>Environ. Monit. Assess.</i> 187: 123	7.59	-
260.	Ishar Pal, Vimla Singh, Robin Gogoi, K.S. Hooda and Namita Bedi	2015	Characterization of <i>Bipolaris maydis</i> isolates of different maize cropping zones of India	<i>Indian Phytopathology</i> 68(1): 63-66	4.59	-
261.	Gupta, P.K., Gogoi, Robin and Gharde, Y.	2015	Cultural and morphological variabilities of <i>Tilletia indica</i> , causal agent of Karnal bunt of wheat	<i>Ann. Pl. Protec. Sci.</i> 23(2): 323-327	3.65	-
262.	Mathuria, R.C., Gogoi, Robin, Singh, vaibhav K. and Singh, U.D.	2015	Inheritance of stem rust resistance in Indian bread wheat cultivars DL 788-2, GW 322, Raj 3765 and UP 2425	<i>Research on Crops</i> 16(4): 733-740	6.0	-
263.	Singh, Vaibhav K., Mathuria, R.C., Singh, G.P., Singh, P.K., Singh, S., Gogoi, Robin and Aggarwal	2015	Characterization of yellow rust resistance genes by using postulation and assessment of adult plant resistance in some Indian wheat genotypes	<i>Research on Crops</i> 16(4): 741-750	6.0	-
264.	Savita Chaube, Shailender Kumar, Durgesh Dubey, Ajay Kumar Tiwari, P.P. Upadhyaya and G.P. Rao	2015	Identification of a novel phytoplasma (16 Sr XIV - A sub group). associated with little leaf and witches' broom of <i>Cannabis sativa</i> L. ssp. <i>sativa</i> and <i>C. sativa</i> L. ssp. <i>indica</i> in India	<i>Phytoparasitica</i> 43: 275-279	6.68	-



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265.	S. Kumar, Prachi Sharma, S. Sharma and G.P. Rao	2015	Mixed Infection and Natural Spread of 'Candidatus Phytoplasma asteris' and Mungbean yellow mosaic India virus affecting soya bean crop in India	<i>Journal of Phytopathology</i> 163: 395-406	6.77	-
266.	Madhupriya, A.K. Tiwari and G.P. Rao	2015	Utilization of <i>dnaB</i> gene for characterization of phytoplasmas associated with toria brinjal and Phlox in India	<i>Phytopathogenic Mollicutes</i> 5 (1-Supplement), S11-S12	3.67	-
267.	Madhupriya, Rao G.P., Kumar A. and Baranwal V.K.	2015	Classification of sesame phytoplasma strain in India at 16Sr subgroup level.	<i>Journal of Pl. Pathology</i> 3: 523-528	7.04	-
268.	Khanna A., Sharma V., Ellur R.K., Shikari A.B., Gopalakrishnan S., Singh U.D., Prakash G., Sharma T.R., Rathour R., Variar M., Prashanthi S.K., Nagarajan M., Vinod K.K., Bhowmick P.K., Singh N.K., Prabhu K.V., Singh B.D. and Singh A.K.	2015	Development and evaluation of near isogenic lines for major blast resistance gene(s) in Basmati rice	<i>Theoretical and Applied Genetics</i> 128(7): 1243-1259	9.51	21
269.	Khanna A., Sharma V., Ellur R.K., Shikari A.B., Gopalakrishnan S., Singh U.D., Prakash G., Sharma T.R., Rathour R., Variar M., Prashanthi S.K., Nagarajan M., Vinod K.K., Bhowmick P.K., Rajashekara H., Singh N.K., Prabhu K.V. and Singh A.K.	2015	Marker assisted pyramiding of major blast resistance genes <i>Pi9</i> and <i>Pita</i> in the genetic background of an elite Basmati rice variety, Pusa Basmati 1	<i>Indian Journal of Genetics and Plant Breeding</i> 75(4): 417-425	6.19	3
270.	G. Prakash, R.T.P. Pandian, H. Rajashekara, Pratibha Sharma and U.D. Singh	2015	Assessment of efficacy of pesticides applied singly and in combination on rice sheath blight disease development	<i>Indian Phytopathology</i> 68(3): 248-253	4.59	-
271.	Singh, D., Priyanka Singh Rathaur, Ashwariya Singh and Richa Raghuwanshi	2015	Genetic diversity of <i>Xanthomonas campestris</i> pv. <i>campestris</i> isolated from Brassica crops using RAPD and Rep-PCR	<i>Indian Journal of Agricultural Sciences</i> 85(6): 792-796	6.14	-



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272.	Singh, D., Shweta Sinha and Ravinder Pal Singh	2015	Detection of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> from seeds and leaves of rice (<i>Oryza sativa</i>) using hrp gene based BIO-PCR marker	<i>Indian Journal of Agricultural Sciences</i> 85(4): 519-524	6.14	-
273.	Bahukhandi, D., R.K. Sharma and Deeba Kamil	2015	Evaluation of Variability, Colony Characters, Productivity and Quality Parameters in Different Strains of <i>Agaricus bisporus</i> (Lange) Sing	<i>J. Pure and Appl. Microbio.</i> 9 (Spl. Edn.) pp, 249-257	6.2	-
274.	Baranwal V.K., Jain P., Saritha R.K., Jain R.K. and Gautam N.K.	2015	Detection and partial characterization of Cowpea mild mottle virus in mungbean and urdbean by deep sequencing and RT-PCR	<i>Crop Protection</i> 33: 77-79	-	-
275.	Khanna S., Singh J., Singh R., Kumar P., Rani T., Baranwal V.K. and Sirohi A.	2015	Evidence of association of 'Candidatus <i>Phytoplasma cynodontis</i> ' with bermuda grass (<i>Cynodondactylon</i>) and 'Candidatus <i>Phytoplasma asteris</i> ' with periwinkle (<i>Catharanthus roseus</i>) from western Uttar Pradesh	<i>India Crop Protection</i> 74: 138-244	-	-
276.	Shanmugam, V., Chugh, P. and Sharma, P.	2015	Cold-tolerant <i>Trichoderma</i> species for the management of Fusarium wilt of tomato plants	<i>Annals of Microbiology</i> 65: 543-551	7.55	-
277.	Sakthivel, K., Aundy Kumar, C. Devendrakumar, Munjal Vibhuti, Sheoran Neelam, R.K. Gautam, K. Kumar, S. Dam Roy, and Boris Alexander Vinatzer	2015	Diversity of <i>Ralstonia solanacearum</i> strains on the Andaman Islands in India	<i>Plant Disease</i> 100(4): 732-738	9.02	-
278.	Chunxu Song, Gustav Sundqvist, Erik Malm, Irene de Bruijn, Aundy Kumar, Judith van de Mortel, Vincent Bulone and Jos M. Raaijmakers	2015	Lipopeptide biosynthesis in <i>Pseudomonas fluorescens</i> is regulated by the protease complex ClpAP	<i>BMC Microbiology</i> 15: 29 DOI:10.1186/s12866-015-0367-y	8.98	-



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279.	Raghavan Dinesh Muthuswamy Anandaraj, Aundy Kumar, Yogyar Kundil Bini, Kizhakke Purayil Subila and Ravindran Aravind	2015	Isolation, characterization, and evaluation of multi- trait plant growth promot- ing rhizobacteria for their growth promoting and dis- ease suppressing effects on ginger	<i>Microbiological Research</i> 173: 34-43	8.56	-
280.	Madhupriya, G.P. Rao, Aundy Kumar and V.K. Baranwal	2015	Classification of the sesame Phytoplasma strains in IN- DIA at the 16Sr subgroup level	<i>Journal of Plant Pathology</i> 97(3): 523-528	6.77	-
281.	Vibhuti Munjal, Agisha Valiya Nadakkakath, Neelam Sheoran, Aditi Kundu, Vibina Venugopal, Kesavan Subaharan, Suseelabhai Rajamma, Santhosh J. Eapen and Aundy Kumar	2015	Genotyping and identifica- tion of broad spectrum an- timicrobial volatiles in black pepper root endophytic bio- control agent, <i>Bacillus mega- terium</i> BP17	<i>Biological Control (Elsevier)</i> DOI: 10.1016/j. bio- control. 2015.09.005	-	-
282.	Neelam Sheoran, Agisha Valiya Nadakkakath, Vibhuti Munjal, Aditi Kundu, Kesavan Subaha- ran, Vibina Venugopal, Suseelabhai Rajamma, Santhosh J. Eapen and Aundy Kumar	2015	Genetic analysis of plant endophytic <i>Pseudomonas putida</i> BP25 and chemo- profiling of its antimicrobial volatile organic compounds	<i>Microbiological Research</i> 173: 66-78, DOI: 10.1016/j. micres.2015.02.001	8.561	-
283.	Sharma B.B., Kalia P., Yadava D.K., Singh D. and Sharma T.R.	2016	Genetics and molecu- lar mapping of black rot resistance LocusXca1bcon chromosome B-7 in Ethiopi- an mustard (<i>Brassica carinata</i> A. Braun)	<i>PLoS ONE</i> 11(3): e0152290 DOI: 10.1371/jour- nal.pone .0152290	9.23	1
284.	Neha Gupta, Monika Shukla Bajpai, Rita Singh Majumdar and Singh, D.	2016	Effect of exogenous iodine on enhancement of oxidative stress in soybean (<i>Glycine max</i>) plant and partial expression of 1-Cys peroxiredoxin gene under heat-stress conditions	<i>Indian Journal of Agricultural Sciences</i> 86(5): 686-690	6.14	-



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285.	Narayana Bhat M., Raghavendra Mesta, S.T. Yenjerappa, M.H. Tatagar, H.R. Sardana, Singh, D., S. Vennila, N. Sabir and Mobin Ahmad	2016	Biological control of <i>Fusarium</i> wilt of chillies using <i>Trichoderma</i> spp.	<i>Indian J. Hort.</i> 73(1): 74-77	-	6.13
286.	Priyanka Singh Rathaur, Singh, D. and Richa Raghuwanshi	2016	Characterization and genetic diversity of <i>Xanthomonas campestris</i> pv. <i>campestris</i> causing black rot disease in crucifers in North India	<i>Indian Phytopath.</i> 69(2): 114-118	4.59	-
287.	Sharma, J.P., Kumar, S. and Singh, D.	2016	Integrated management of bacterial wilt of tomato caused by <i>Ralstonia solanacearum</i>	<i>Indian J. Agricultural Sciences</i> 86(7): 956-960	6.14	8
288.	Aditi Sharma, A.K. Gupta, Singh, D., Kishore Khosla and Rishi Mahajan	2016	Biological control of crown gall disease in peach and cherry nursery plants by white stone powder based formulation (Sol Gall) of <i>Brevibacillus</i> spp.	<i>Indian Phytopath.</i> 69(3): 231-236	4.59	-
289.	Prameeladevi T. and N. Prabhakaran, Kamil	2016	Development of Species Specific Markers for the identification of <i>Trichoderma asperellum</i> and <i>Trichoderma harzianum</i>	<i>Vegetos</i>	-	-
290.	Rajesh Kumar, Madhuban Gopal, Sunil Pabbi, Sangeeta Paul, Imteyaz Alam, Sayrav Yadav, Kishore Kumar Nair, Neetu Chauhan, Chitra Srivastava, Robin Gogoi, Pradeep Kumar Singh and Arunava Goswami	2016	Effect of Nanohexaconazole on nitrogen fixing blue green algae and bacteria	<i>Journal of Nanoscience and Nanotechnology</i> 16: 643-647	7.34	-
291.	Ram Kumar, Usha Mina, Robin Gogoi, Arti Bhatia and R.C. Harit	2016	Effect of elevated temperature and carbon-di-oxide levels on maydis leaf blight disease tolerance attributes of maize	<i>Agriculture, Ecosystems and Environment</i> 231: 98-104	9.20	-



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292.	Dubey, S.C., Tripathi A., Upadhyay B.K. and Kumar A.	2016	Development of conventional and real time PCR assay for detection and quantification of <i>Rhizoctonia solani</i> infecting pulse crops	<i>Biologia</i> 71: 133-138	6.83	-
293.	Shubha, K. Shri Dhar, Choudhary, H. Dubey, S.C. and Sharma, R.K.	2016	Identification of resistant sources and inheritance of Fusarium wilt resistance in garden pea (<i>Pisum sativum</i> ssp. <i>hortense</i>)	<i>Indian J. Hort.</i> 73: 356-361	6.13	-
294.	D'errico, G., Giacometti, R., Roversi, P.F., Prasad, L. and Woo, S.L.	2016	Root Knot Disease Caused By <i>Meloidogyne incognita</i> (Kofoid & White, 1919) Chitwood, 1949 (Nematoda, Meloidogynidae) On Tomato Grown In Soil-Less Crops In Italy	<i>REDIA- Journal of Zoology</i> 99 (XX-XX): 25-29	IF: 0.615	-
295.	Lakshman Prasad, Sorabh Chaudhary, Sushma Sagar and Akash Tomar	2016	Mycoparasitic capabilities of diverse native strain of <i>Trichoderma</i> spp. against <i>Fusarium oxysporum</i>	<i>Journal of Applied and Natural Science</i> 8(2): 679-776	5.08	-
296.	Suprabhat Pal, Rajesh Kumar, Lakshman Prasad and Anil Sirohi	2016	Preparation and Nematicidal Activity of 1, 3, 4-Thiadiazole Based Nanochemicals	<i>Pesticide Research Journal</i> 28(1): 90-94	4.16	-
297.	Rana, V.S., Ahluwalia, V., Shakil, N.A. and Prasad, L.	2016	Essential oil composition, antifungal, and seedling growth inhibitory effects of zerumbone from Zingiber zerumbet Smith	<i>Journal of Essential Oil Research</i> 28: 1-10	7.81	-
298.	Lakshman Prasad and Rajesh Kumar	2016	Antifungal activity of phenolics against <i>Rhizoctonia solani</i> , a wide host range plant pathogen	<i>Vegetos: An International Journal</i> 29(SI): 11-13	6.04	-
299	Faisal, M.P. and Prasad, L.	2016	A potential source of Methyl-eugenol from secondary metabolite of <i>Rhizopus oryzae</i> 6975	<i>International J of Appl Biol. & Pharma. Tech.</i> 7(4): 187-192 (IF: 1.265)	7.265	-
300.	Deeba Kamil, T. Prameeladevi, Sankar Ganesh, N. Prabhakaran, R. Nareshkumar and Shan P. Thomas	2016	Green synthesis of silver nanoparticles by entomopathogenic fungus <i>Beauveria bassiana</i> and their bio-efficacy against Mustard aphid (<i>Lipaphis erysimi</i> Kalt.)	<i>Indian Journal of Experimental Biology</i>	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
301.	Sonavane Priti, Prameela Devi, T. and Jagannath Raju	2016	Comparison of the multi gene regions for selection of potential barcode for <i>Bipolaris</i> spp.	<i>Res. J. Biotech</i> 11(6): 14-20	-	-
302.	Prameela Devi T., Deeba Kamil, Ravi Mehndiratta, and N. Prabhakaran and R. Sudeep Toppo	2016	Molecular and Morphological Diversity of <i>Rhizoctonia bataticola</i> Causing Dry Root Rot disease from India	<i>J. of Pure. and Applied Microbiology</i> 10(4)	-	-
303.	Prameeladevi T., N. Prabhakaran and Kamil D.	2016	Development of Species Specific Markers for the identification of <i>Trichoderma asperellum</i> and <i>Trichoderma harzianum</i>	<i>Vegetos</i>	-	-
304.	Kumar, B., Hooda, K.S., Gogoi, R., Kumar, V., Kumar, S., Abhishek, A., Bhati, P., Sekhar, J.C., Yathish, K.R., Singh, V., Das, A., Mukri, G., Verghese, G., Kaur, H., Malik, V. and Yadav, O.P.	2016	Inheritance study and stable sources of resistance to maydis leaf blight (<i>Cochliobolus heterostrophus</i>) resistance in tropical maize germplasm	<i>Cereal Research Communication</i> 44(3): 424-434	6.61	-
305.	Gogoi, Robin, Kulanthaivel, S., Rai, S.N. and Ahuja, D.B.	2016	Leaf rot disease of cauliflower caused by <i>Choanephora cucurbitarum</i> in India	<i>Australasian Plant Disease Notes</i> 11: 27	-	-
306.	Sundeep Kumar, Sunil Archak, R.K. Tyagi, Jagdish Kumar, Vikas V.K., Sherry R. Jacob, Kalyani Srinivasan, J. Radhamani, R. Parimalan, M. Sivaswamy, Sandhya Tyagi and Mamta Yadav, et al.	2016	Evaluation of 19,460 wheat accessions conserved in Indian National Genebank for identifying new sources of resistance to all three rusts and spot blotch	<i>PLoS One</i> DOI: 10.1371/journal.pone.0176602 December 12, 2016	9.23	-
307.	Deeba Kamil, T. Prameeladevi, Sankar Ganesh, N. Prabhakaran, R. Nareshkumar and Shan P. Thomas	2016	Green synthesis of silver nanoparticles by entomopathogenic fungus <i>Beauveria bassiana</i> and their bio-efficacy against Mustard aphid (<i>Lipaphis erysimi</i> Kalt.)	<i>Indian Journal of Experimental Biology.</i>	6.84	-
308.	Prameela Devi T., Deeba Kamil, Ravi Mehndiratta, and N. Prabhakaran and R. Sudeep Toppo	2016	Molecular and Morphological Diversity of <i>Rhizoctonia bataticola</i> Causing Dry Root Rot disease from India	<i>J. of Pure and Applied Microbiology</i> 10(4)	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
309.	Aggarwal, R., Gupta, S., Sharma, S., Sharma, K. and Shanmugam, V.	2016	Role of Defense Enzymes in Biocontrol of Spot Blotch and Leaf Rust of Wheat (<i>Triticum</i> sp. L.) by <i>Chaetomium globosum</i>	<i>J. Pure Appl. Microbiol.</i> 10(3): 2071-2078	6.00	-
310.	Bashyal, B.M., Aggarwal, R., Sharma, S., Gupta, S., Rawat, K., Singh, D., Singh, A.K. and Krishnan, S.G.	2016	Occurrence, identification and pathogenicity of <i>Fusarium</i> species associated with bakanae disease of basmati rice in India	<i>Eur. J. Pl. Pathol.</i> DOI: 2071-2078	6.00	-
311.	B.M. Bashyal, R. Aggarwal, S. Sharma, S. Gupta and Singh U.B.	2016	Single and combined effects of three <i>Fusarium</i> species associated with rice seeds on the severity of bakanae disease of rice	<i>Journal of Plant Pathology</i>	7.04	-
312.	A.K. Tiwari, M. Priya, K. Kumari, N. Mishra and G.P. Rao	2016	Association of bermuda white leaf phytoplasma with <i>Justicia gendarussa</i> with witches' broom symptoms in India	<i>Journal of Plant Pathology</i> 98(1): 183	7.04	-
313.	M. Priya, A.K. Tiwari and G.P. Rao	2016	First molecular identification of ' <i>candidatus</i> phytoplasma trifolii' (16Sr IV-D) in <i>croton</i> , <i>bonplandianum</i> from India	<i>Journal of Plant Pathology</i> 98(1): 178	7.04	-
314.	Ranjith K. Ellur, Apurva Khanna, Ashutosh Yadav, Sandeep Pathania, H.Rajashekara, Vikas K. Singh, S.Gopalakrishnan, Prolay K. Bhowmick, M. Nagarajan, K.K. Vinod, G. Prakash, Kalyan K. Mondal, Nagendra K. Singh and Ashok K. Singh	2016	Improvement of Basmati rice varieties for resistance to blast and bacterial blight diseases using marker assisted backcross breeding	<i>Plant Science</i> 242: 330-341	10.11	10
315.	G. Prakash, N. Srinivasa, S. Mukesh Sankar, S.P. Singh and C. Tara Satyavathi	2016	Standardization of Pearl Millet Blast (<i>Magnaporthe grisea</i>) phenotyping under artificial conditions	<i>Ann. Agric. Res. New Series</i> 37(2): 1-6	3.02	-
316.	Singh, D., Priyanka, P.S and Vicente, J.G.	2016	Characterization, genetic diversity and distribution of <i>Xanthomonas campestris</i> pv. <i>campestris</i> races causing black rot disease in cruciferous crops	<i>Plant Pathol.</i> 64(5): 1029-1040 DOI: 10.1111/ppa.12508	8.12	1



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
317.	Singh, D., S. Vennila, N. Sabir and Mobin Ahmad	2016	Biological control of <i>Fusarium</i> wilt of chillies using <i>Trichoderma</i> spp.	<i>Indian J. Hort.</i> 73(1): 74-77	6.13	-
318.	Bahukhandi, D. P.K. Agnihotri and Pradeep Saxena	2016	Morphology and pathogenic variation in <i>Colletotrichum gloeosporioides</i> and <i>Colletotrichum dematium</i> on <i>Stylosanthes</i> species	<i>Indian Phytopath.</i> 69(1): 106-107	4.59	-
319.	Sharma P., Sharma. S., Gautam. I. and Baranwal V.K.	2016	Natural infection of <i>Glycine max</i> by seven viruses belonging to different genera in India	98(3): 569-575	-	-
320.	Rai Richa, Khurana S.M. Paul, Kumar S., Sharma S., Watpade, S. and Baranwal, V.K.	2016	Characterization of <i>Grapevine leafroll-associated virus 4</i> from Indian Vineyards	<i>J. Plant Pathology</i>	7.04	-
321.	Sharma, P., Sharma, S., Singh J., Saha. S. and Baranwal, V.K	2016	Incidence of <i>Lettuce</i> mosaic virus in <i>lettuce</i> and its detection by polyclonal antibodies produced against recombinant coat protein expressed in <i>Escherichia coli</i>	<i>J. Virol. Methods.</i> 230: 53-58	7.78	-
322.	Saritha, R.K., A. Srivastava, Jain R.K., Kalia, P. and Baranwal, V.K.	2016	First record of Pepper cryptic virus in chilli (<i>Capsicum annum</i>) in India	<i>Virus Disease</i> 27(3): 327-328	5	-
323.	Shanmugam, V., Veena, K.H., Jain, S., Tripathi, M., Aggarwal, R. and Singh A.K.	2016	First report of seedling blight caused by <i>Fusarium oxysporum</i> on cucumber from India	<i>Journal of Plant Pathology</i> 98(3): 680	7.04	-
324.	Jailani, A.A.K., Kumar, A., Mandal, B., Sivasudha, T. and Roy, A.	2016	Agroinfection of tobacco by croton yellow vein mosaic virus and designing of a replicon vector for expression of foreign gene in plant	<i>Virus Disease</i> 27(3): 277-286	5	-
325.	Sheoran N., Kumar A., Munjal V., Valiya Nadakkakath A. and Eapen S.J.	2016	<i>Pseudomonas putida</i> BP25 alters root phenotype and triggers salicylic acid signaling as a feedback loop in regulating endophytic colonization in <i>Arabidopsis thaliana</i>	<i>Physiological and Molecular Plant Pathology (Elsevier)</i> 93: 99-111	7.79	-
326.	Sakthivel, K., R.K. Gautam, K., Manigundan, P.K. Singh, G.S. Laha, Aundy Kumar and R. Velazhahan	2016	Pathogenic Profile of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> causing Bacterial Blight of Rice in Andaman Islands	<i>Vegetos An International Journal off Plant Research</i> 29: 44-50	6.00	-



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327.	Pandian R.T.P., Raja M, Aundy Kumar and P. Sharma	2016	Morphological and molecular characterization of <i>Trichoderma asperellum</i> strain Ta13	<i>Indian Phytopath</i> 69(3): 298-303	4.59	-
328.	Gangopadhyay, K.K., Singh, A., Bag, M.K., Ranjan, P., Prasad, T.V., Roy, A. and Dutta, M.	2016	Diversity analysis and evaluation of wild <i>Abelmoschus</i> species for agro-morphological traits and major biotic stresses under the north western agro-climatic condition of India	<i>Genet. Resour. Crop Evol.</i> DOI: 10.1007/s10722-016-0400-5	7.46	-
329.	Sundeeep Kumar, S., Archak, S., Tyagi, R.K. Roy, A., T.V. Prasad, R. K. Sharma, M. Dutta, Indu Sharma and K.C. Bansal	2016	Evaluation of 19,460 wheat accessions conserved in the Indian national gene bank to identify new sources of resistance to rust and spot blotch diseases	<i>Plos One.</i> DOI: 10.1371/journal.pone.0167702	9.23	-
330.	Gurjar, M.S. and Aggarwal, R.	2016	Identification and Validation of Stem Rust Resistance Genes in Indian Wheat Genotypes Using Molecular Markers	<i>J Mycol. Plant Pathol.</i> 45(2)	4.00	-
331.	Gurjar, M.S., Sharma, S. and Kumar, V.	2016	Phenotyping of potato accessions for stable resistance to late blight (<i>Phytophthora infestans</i>)	<i>Indian Phytopath.</i> 69(2): 141-144	4.59	-
332.	Bashyal, B.M., Kharayat, B.S., Kumar, J., Dubey, S. and Aggarwal, R.	2016	An improved method for rapid isolation and quantification of <i>Rhizoctonia solani</i> from mungbean rhizospheric soil	<i>Research Journal of Biotechnology</i> Accepted	6.28	-
333.	Shanmugam, V., Thakur, H., Paul, S., Bhadwal, P., Mahajan, S. and Mondal, K.K.	2016	First report of collar rot caused by <i>Pseudomonas saeruginosa</i> on Callalily (<i>Zantedeschia elliottiana</i> (H. Knight) Engl.)	<i>Phytopathologia Mediterranea</i>	6.97	-
334.	Khasa Ekta, Gopala, Aido Taloh, T. Prabha, Madhupriya and G.P. Rao	2016	Molecular characterization of phytoplasmas of 'Clover proliferation' group associated with three ornamental plant species in India	<i>3 Biotech</i> 6: 237	6.99	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
335.	Amalendu Ghosh Amrita Das S. Vijayanandraj Bikash Mandal	2016	Cardamom Bushy Dwarf Virus Infection in Large Cardamom Alters Plant Selection Preference, Life Stages, and Fecundity of Aphid Vector, <i>Micromyzus kalimpongensis</i> (Hemiptera: Aphididae)	<i>Environmental Entomology</i> 45(1): 178-184	7.30	2
336.	Ghosh, A., Das, A. Lepcha, R. and Mandal, B.	2016	Identification, distribution and temporal occurrences of aphids infesting large cardamom and their efficiency in transmitting large cardamom viruses in north eastern sub-Himalayan region	<i>Australasian Plant Pathology</i> 45(5): 533-536	6.95	-

Faculty Profile

i) Professors

Sl. No.	Name	Period
1.	Dr. R.C. Sharma	February 2007 - June 2007
2.	Dr. D.K. Agarwal	July 2007 - December 2007
3.	Dr. Padma Ramachandran	January 2008 - July 2009
4.	Dr. Janki Kandhari	August 2009 - August 2010
5.	Dr. Pratibha Sharma	September 2010 - May 2016
6.	Dr. V.K. Baranwal	June 2016 onwards

ii) Heads

Sl. No.	Name	Period
1.	Dr. R.C. Sharma	February 2007 - June 2007
2.	Dr. R.K. Jain	June 2007 - December 2013
3.	Dr. Rashmi Agarwal	September 2014 onwards

iii) Faculty Members

Sl. No.	Faculty Member	Qualification	Specialization	h-Index	i10-Index
1.	Dr. R.K. Jain	Ph.D.	Virology	-	-



Sl. No.	Faculty Member	Qualification	Specialization	h-Index	i10-Index
2.	Dr. (Ms.) Prathibha Sharma	Ph.D.	Fungal Pathology	-	-
3.	Dr. (Mrs.) Janki Kandhari	Ph.D.	Fungal Pathology	-	-
4.	Dr. (Miss.) V.G. Malathi	Ph.D.	Virology	-	-
5.	Dr. U.D. Singh	Ph.D.	Fungal Pathology	-	-
6.	Dr.(Ms.) Rashmi Agarwal	Ph.D.	Fungal Pathology	11	13
7.	Prof. (Dr.) V.K. Baranwal	Ph.D.	Virology	12	14
8.	Dr. R. Gogoi	Ph.D.	Fungal Pathology	9	8
9.	Dr. S.C. Dubey	Ph.D.	Fungal Pathology	-	-
10.	Dr. R.K. Sharma	Ph.D.	Mycology	-	-
11.	Dr. T. Prameela Devi	Ph.D.	Mycology	4	1
12.	Dr. Bikash Mandal	Ph.D.	Virology	15	22
13.	Dr. Shelly Praveen	Ph.D.	Virology	13	20
14.	Dr. Parimal Sinha	Ph.D.	Fungal Pathology	4	-
15.	Dr. Dinesh Singh	Ph.D.	Bacteriology	8	8
16.	Dr. Kajal Kumar Biswas	Ph.D.	Virology	8	8
17.	Dr. C. Uma Maheshwari	Ph.D.	Mycology	-	-
18.	Dr. K.K. Mondal	Ph.D.	Bacteriology	8	8
19.	Dr. Bishnu Maya Bashyal	Ph.D.	Fungal Pathology	4	2
20.	Dr. Deeba Kamil	Ph.D.	Mycology	4	1
21.	Dr. Prachi Sharma	Ph.D.	Virology	-	-
22.	Dr. O.M. Bombawale	Ph.D.	Integrated Pest Management	-	-
23.	Dr. Saroj Singh	Ph.D.	Integrated Pest Management	-	-
24.	Dr. O.P. Sharma	Ph.D.	Integrated Pest Management	-	-
25.	Dr. M.S. Yadav	Ph.D.	Integrated Pest Management	-	-
26.	Dr. K.B. Pun	Ph.D.	Virology	-	-
27.	Dr. A.N. Misra	Ph.D.	Fungal Pathology	-	-
28.	Dr. Jagdish Kumar	Ph.D.	Fungal Pathology	-	-
29.	Dr. Narayan Bhat	Ph.D.	Integrated Pest Management	-	-
30.	Dr. K.S. Hooda	Ph.D.	Fungal Pathology	-	-
31.	Dr. Saritha R.K.	Ph.D.	Virology	3	1
32.	Dr. V. Shanmugan	Ph.D.	Molecular Plant Pathology	14	20



Sl. No.	Faculty Member	Qualification	Specialization	h-Index	i10-Index
33.	Dr. Amalendu Ghosh	Ph.D.	Insect Vectors of Plant Viruses	4	2
34.	Dr. Amrita Das	Ph.D.	Virology		
35.	Dr. Basavaraj	Ph.D.	Virology	2	1
36.	Dr. Anirban Roy	Ph.D.	Virology	10	14
37.	Dr. N. Srinivasa	Ph.D.	Plant Pathology	1	1
38.	Dr. Malkhan Singh Gurjar	Ph.D.	Fungal Pathology	5	3
39.	Dr. Aundy Kumar	Ph.D.	Plant Pathology	12	16
40.	Dr. Laxman Prasad	Ph.D.	Plant Pathology	3	1
41.	Dr. G. Prakash	Ph.D.	Fungal Pathology	3	2
42.	Dr. R.P. Pant	Ph.D.	Plant Virology	10	11
43.	Dr. Diwakar Bahukhandi	Ph.D.	Mycology & Plant Pathology	6	3
44.	Dr. G.P. Rao	Ph.D.	Plant Pathology	16	45
45.	Dr. Laxman Prasad	Ph.D.	Plant Pathology	3	1
46.	Mr. Timmana	M.Sc.	Insect Vectors of Plant Viruses	-	-
47.	Dr. Tushar Kanti Bag	Ph.D.	-	6	3





पचपनवां दीक्षांत समारोह
स्नातकोत्तर विद्यालय, भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली

Fifty Fifth Convocation

Post Graduate School, Indian Agricultural Research Institute, New Delhi

2017

February 09, 2017

