

POST GRADUATE SCHOOL
INDIAN AGRICULTURAL RESEARCH INSTITUTE
NEW DELHI-110012

No. PGS-I/1-406/AC/2018

February 27, 2018

ENDORSEMENT

A copy of the proceedings of the 406th meeting of the Academic Council held on 8th February, 2018 is forwarded herewith for information and necessary action. Comments, if any, may please be sent to the PG School within 15 days from the date of issue of the Proceedings.

1. All the members of the Academic Council and concerned Officers (By name) _____
2. PS to Director General, ICAR, Krishi Bhawan, New Delhi-110001
3. PS to Deputy Director General (Edn.), ICAR, KAB-II, Pusa, New Delhi-110012
4. Master of Halls of Residences, P.G. School Hostel Office
5. Sr. Admn. Officer, IMC (For members of Board of Management)
6. PS to Director/PS to Dean & Joint Director (Edn.), IARI/PS to Registrar/PS to Comptroller
7. Shri A. K. Tyagi, Chief Technical Officer, P.G. School
8. Dr. S.K. Tyagi, Chief Technical Officer, P G School
9. Assistant Administrative Officer, Post Graduate School-II
10. Concerned Dealing Assistants, PGS-I


(K.M. Manjiah)
Associate Dean and Registrar

**PROCEEDINGS OF THE 406th MEETING OF THE ACADEMIC COUNCIL
HELD ON FEBRUARY 8, 2018 AT 9.30 AM IN THE CONFERENCE HALL
OF Prof. M.S. SWAMINATHAN LIBRARY, IARI, NEW DELHI - 110012**

The following members were present:

1. Dr. A.K. Singh, Director (Additional charge), IARI	Chairman
2. Dr. R.K. Jain, Dean & Joint Director (Edn.), IARI	Vice-Chairman
3. Dr. H.S. Gaur, Former Vice-Chancellor, SVPUA&T, Meerut	Member
4. Dr. S.K. Datta, Former DDG(CS), ICAR	Member
5. Dr. P.K. Joshi, Director, South Asia, IFPRI	Member
6. Dr. J.P. Sharma, Joint Director (Ext.)	Member
7. Dr. Kuldeep Singh, Director, NBPGR	Member
8. Dr. N.K. Singh, Director (Acting), NRCPB	Member
9. Dr. L.M. Bhar, Director (Acting), IASRI	Member
10. Dr. K.K. Singh, Director, CIAE, Bhopal	Member
11. Dr. Man Singh, Project Director (Acting), WTC and Professor, WST	Member
12. Dr. K.M. Manjaiah, Associate Dean and Registrar, PG School	Member
13. Dr.(Ms.) Shashi Bala Singh, Professor, Agricultural Chemicals	Member
14. Dr.(Ms.) Alka Singh, Professor, Agricultural Economics	Member
15. Dr. D.K. Singh, Professor, Agricultural Engineering	Member
16. Dr. R.N. Padaria, Professor, Agricultural Extension	Member
17. Dr. V.K. Sehgal, Professor, Agricultural Physics	Member
18. Dr. (Ms.) Seema Jaggi, Professor, Agricultural Statistics	Member
19. Dr. Y.S. Shivay, Professor, Agronomy	Member
20. Dr. (Ms.) Aruna Tyagi, Professor, Biochemistry	Member
21. Dr. A.R. Rao, Professor, Bioinformatics	Member
22. Dr. Subhash Chander, Professor, Entomology	Member
23. Dr. Soora Naresh Kumar, Professor, Environmental Sciences	Member
24. Dr. K.P. Singh, Professor, Floriculture and Landscape Architecture	Member
25. Dr. O.P. Awasthi, Professor, Fruits and Hort. Tech.	Member
26. Dr. Vinod, Professor, Genetics and Plant Breeding	Member
27. Dr. R.C. Bhattacharya, Professor, MBB	Member
28. Dr. M.R. Khan, Professor, Nematology	Member
29. Dr.(Ms.) Rekha Chaudhury, Professor, PGR	Member
30. Dr. V.K. Baranwal, Professor, Plant Pathology	Member
31. Dr. Madan Pal Singh, Professor, Plant Physiology	Member
32. Dr. S.K. Jha, Professor, Post Harvest Technology	Member
33. Dr. S.K. Jain, Professor, Seed Science & Technology	Member
34. Dr. S.P. Datta, Professor, SS&AC	Member
35. Dr. T.K. Behera, Professor, Vegetable Science	Member
36. Dr. Anil Sirohi, MOHR, PG Hostels	Member
37. Dr. A. Nagaraja, Senior Scientist, Fruit Science and Faculty Representative to the Academic Council	Member
38. Dr. Mahesh C. Yadav, Principal Scientist, NBPGR and Faculty Representative to the Academic Council	Member
39. Ms. Sunita Gupta, Incharge, Library Services	Member
40. Mr. Satish Naik, President, PGSSU	Member
41. Ms. Priyanka Upreti, Students' Representative	Member

Leave of absence was sought and granted to the following members:

1. Dr. N.S. Rathore, Deputy Director General (Edn.)	Member
2. Dr. A.K. Singh, Former Vice Chancellor, RVSKV, Gwalior	Member
3. Dr. P.K. Mishra, Director, IISWC, Dehradun	Member

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| 4. Dr. M.R. Dinesh, Director, IIHR | Member |
| 5. Dr. Sudeep Marwaha, Professor, Computer Application | Member |
| 6. Dr. Sunil Pabbi, Professor, Microbiology | Member |
| 7. Mr. Sanchal Bilgrami, Comptroller | Member |
| 8. Mr. M.K. Jain, Joint Director (Admn.) (Acting) | Member |

Dr. R.K.Jain, Dean and Joint Director (Edn.) extended a formal welcome to Dr.A.K. Singh, Director, IARI and Chairman, Academic Council. Thereafter, Dr. A.K. Singh, Chairman of Academic Council warmly welcomed the outside members of the Academic Council and all the members present in the meeting. The Academic Council congratulated Dr. K.V. Prabhu, Former Joint Director (Research), IARI for his selection as Chairperson, Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA). The Chairman also welcomed the new members of the Academic Council who were attending the meeting for the first time:

New members

1. Dr. P.K. Joshi, Director, South Asia, International Food Policy Research Institute, New Delhi
2. Dr. L.M. Bhar, Director (Acting), IASRI
3. Dr. M.R. Khan, Professor, Discipline of Nematology
4. Dr. A. Nagaraja, Senior Scientist, Fruit Science and Faculty Representative to the Academic Council
5. Dr. Mahesh C. Yadav, Principal Scientist, NBPGR and Faculty Representative to the Academic Council

The Chairman also placed on record the valuable contributions of the following outgoing members of the Academic Council in strengthening the PG education at IARI:

1. Dr. C. Ramasamy, Former Vice Chancellor, Tamil Nadu Agricultural University
2. Dr. J.S. Samra, Former CEO, National Rainfed Area Authority of India
3. Dr. K.V. Prabhu, Former Joint Director (Research), IARI
4. Dr. A.K. Choubey, Former Director (Acting), IASRI
5. Dr. Anil Sirohi as Former Professor, Discipline of Nematology
6. Dr. B.S. Tomar, Head, SST and Faculty Representative to the Academic Council
7. Dr. Bhupinder Singh, Principal Scientist, CESCRA and Faculty Representative to the Academic Council

Thereafter, the following agenda items were taken up for consideration:

Agenda Item No.	Description of Agenda Items
406.1	Confirmation of the proceedings of the 405 th meeting of the Academic Council held on December 16, 2017
406.2	Action Taken Report on the Proceedings of 405 th meeting of the Academic Council held on December 16, 2017
406.3	Recommendations of the Judging Committees for finalization of various awards to be presented on the occasion of 56 th Convocation
406.4	List of candidates for the award of degree of M.Sc., M.Tech. and Ph.D.
406.5	Any other item with the permission of the Chair

Agenda Item No. 406.1 Confirmation of the proceedings of the 405th meeting of the Academic Council held on 16.12.2017

The Chairman called for the comments, if any, from the members of the Academic Council on the proceedings of the 405th meeting. Since no comment was there, the proceedings of the previous meeting were confirmed.

Agenda Item No. 406.2 Action Taken Report on the Proceedings of 405th meeting of the Academic Council held on 16.12.2017

Action taken report (ATR) was presented by the Dean and Joint Director (Education). On the issue of degree nomenclature, Dean and Joint Director (Edn.) has apprised the house that ICAR has informed vide their letter No.32/2/ 1998-EQR/Edn. of January 31, 2018 that the degree nomenclature as recommended by BSMA Dean's Committee for PG Programmes across the Agriculture Universities including IARI should be adopted to ensure the mandate of the Council regarding uniformity in syllabus and ensuring quality of education in agriculture at national level. IARI should ensure the guidelines of the Council.

Agenda Item No. 406.3 Recommendations of Judging Committees for finalization of the following awards to be presented on the occasion of 56th Annual Convocation of IARI to be held on February 9, 2018.

I. TWENTIETH SUKUMAR BASU MEMORIAL AWARD FOR THE BIENNIUM 2015-16

The Academic Council approved the recommendations of the Judging Committee under the Chairmanship of Dr. R.B. Singh, Chancellor, CAU, Imphal made in its meeting held on January 17, 2018 for the award to Dr. V.K. Singh, Head, Division of Agronomy, IARI, New Delhi for his outstanding research contribution towards "site-specific nutrient management system and integrated farming system (IFS) model for small holders". The award consists of a cash prize of Rs.10,000/- with a Commendation Certificate.

II EIGHTEENTH SHRI HARI KRISHNA SHASTRIMEMORIAL AWARD FOR THE YEAR 2017

The Academic Council approved the recommendations of the Judging Committee under the Chairmanship of Dr. G. Kalloo, Former Vice-Chancellor, JNKVV, Jabalpur made in its meeting held on January 24, 2018 for the award to Dr. (Ms.) Radha Prasanna, Principal Scientist, Division of Microbiology for her outstanding research contribution towards "exploring cyanobacteria capabilities as plant growth promoting and biocontrol agents". The award consists of a cash prize of Rs.25,000/- and a Commendation Certificate.

III FOURTH Dr. A.B. JOSHI MEMORIAL AWARD FOR THE BIENNIUM 2017-18

The Academic Council approved the recommendations of the Judging Committee under the Chairmanship of Dr. Panjab Singh, President, Foundation for Advancement of Agriculture and Rural Development, Varanasi made in its meeting

held on January 27, 2018 for the award to Dr. P.K. Agrawal, Asstt. Director General (NASF), KAB-II, ICAR for his outstanding research contribution in “**quality protein maize (QPM) breeding and institution building**”. This award consists of cash amount of Rs.1,00,000/-, Medal and a Commendation Certificate.

IV BEST TEACHER AWARD FOR THE FACULTY OF POST GRADUATE SCHOOL

The Academic Council approved the recommendations of the Judging Committee under the Chairmanship of Dr. Arvind Kumar, Former DDG(Edn.), ICAR made in its meeting held on January 22, 2018 that the Best Teacher Award for the year 2017 may be shared among the following two faculty members:

1. Dr. V.K. Baranwal, Professor, Discipline of Plant Pathology
2. Dr. T.K. Behera, Professor, Discipline of Vegetable Science

This award consists of a cash prize of Rs.50,000/- and a Commendation Certificate.

V AWARD OF “BEST STUDENT OF THE YEAR” AND “IARI MERIT MEDALS” TO THE STUDENTS OF DOCTOR OF PHILOSOPHY AND MASTER OF SCIENCE

The Academic Council approved the recommendations of the Judging Committee under the Chairmanship of Dr. V.N. Sharda, Former Member, ASRB made in its meeting held on February 5, 2018 that the “Best Students Award” for the year-2017 one each from M.Sc./M.Tech.and Ph.D. and “IARI Merit Medals” five each for M.Sc./M.Tech. and Ph.D. as detailed below:

BEST STUDENT OF THE YEAR -2017

	Name of the Student	Roll No.	Discipline
Ph.D.	Ms. N. Anuradha	10288	Genetics and Plant Breeding
M.Sc.	Ms. Priti Priyadarshani	20644	Agricultural Extension

IARI MERIT MEDALS FOR THE YEAR - 2017

DOCTOR OF PHILOSOPHY

1.	Mr. K. Ravindra Kumar	10461	Floriculture & Landscape Architecture
2.	Mr. K. Velmourougane	10542	Microbiology
3.	Mr. Shwetank Lall	10254	Agricultural Statistics
4.	Mr. Debasis Golui	10193	Soil Science and Agricultural Chemistry
5.	Mr. Jitendra Kumar	10079	Agricultural Engineering

MASTER OF SCIENCE

1.	Mr. DipankarMitra	20652	Agricultural Statistics
2.	Mr. Satyabrata Pradhan	20693	Fruit Science
3.	Mr. Kavi Sidharthan	20718	Plant Pathology
4.	Mr. Kajal Das	20662	Agronomy
5.	Mr. Debashis Paul	20735	Seed Science and Technology

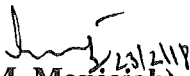
Agenda Item No.406.4**List of candidates for the award of degree of Master of Science and Doctor of Philosophy**


In addition to the earlier list of 137 M.Sc./M.Tech. and 50 Ph.D. candidates already approved by the Academic Council in its 405th meeting for award of their respective degrees, 3 candidates have become eligible for award of degree of Master of Science and 47 candidates for Doctor of Philosophy was also approved by the Academic Council (Appendix- I).

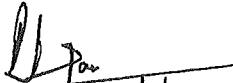
Agenda Item No.406.5**Any other item with the permission of the Chair**

The Academic Council deliberated on the existing guidelines governing the IARI awards and authorised the Chairman to constitute a committee to revisit the same.

The meeting ended with a vote of thanks to the chair.


(K.M. Manjaiah)
Member-Secretary


(A.K. Singh)
Chairman


(R.K. Jain)
Vice Chairman

Supplementary list of candidates who have successfully completed all the requirements including final viva-voce examination for the award of degree of Master of Science and Doctor of Philosophy as on 06/02/2018

No.	ROLL NO	NAME OF THE STUDENT	Title of Thesis
<u>MASTER OF SCIENCE</u>			
AGRONOMY			
1	20753	JUNJIT CRITYKAR	EFFECT OF DIVERSIFIED NUTRIENT SOURCES ON PRODUCTIVITY AND QUALITY OF ORGANIC Basmati RICE
ENTOMOLOGY			
2	20754	SAYED HAZRAT ALAWI	SPATIAL DISTRIBUTION AND SEQUENTIAL SAMPLING OF APHIDS AND THEIR NATURAL ENEMIES ON WHEAT
PLANT PATHOLOGY			
3	20626	OMER	CHARACTERIZATION OF <i>Alternaria</i> SPECIES COMPLEX ASSOCIATED WITH EARLY BLIGHT OF TOMATO
<u>DOCTOR OF PHILOSOPHY</u>			
AGRICULTURAL CHEMICALS			
4	10204	EISA OSMAN MOHAMED ALI	DEVELOPMENT OF INNOVATIVE FORMULATION(S) OF PHYTOCHEMICALS/OIL DERIVED FROM <i>Azadirachta indica</i> A. JUSS AND <i>Cymbopogon nardus</i> (L.)
AGRICULTURAL ECONOMICS			
5	10379	KIRAN KUMARA T M	ECONOMIC ASSESSMENT OF COMMUNITY BASED TANK IRRIGATION SYSTEMS IN RAINFED REGION OF ANDHRA PRADESH
AGRICULTURAL ENGINEERING			
6	9932	GAJANAN BABASAHEB RAJURKAR	MODELING OF WATER AND SOLUTE DISTRIBUTION IN WHEAT CROP UNDER FARMERS PRACTICES IN THE IGP
7	10078	SUJEET DESAI	MODELLING THE HYDROLOGIC RESPONSE OF A SEMI-ARID REGION TO CLIMATE CHANGE
8	10399	YOGESH PANDEY	MODELLING OF HYDROLOGIC RESPONSE OF UPPER JHELUM RIVER BASIN FOR DEVELOPING FLOOD MITIGATION STRATEGIES UNDER CHANGING CLIMATE
AGRICULTURAL PHYSICS			
9	9941	DEBASISH CHAKRABORTY	WEATHER AND REMOTE SENSING BASED CROP MODELING FOR WHEAT CROP INSURANCE
10	10251	Ms. REKHA KUMARI MEENA	CHARACTERIZATION OF MICROMETEOROLOGY UNDER DIFFERENT CROP ENVIRONMENTS
AGRICULTURAL STATISTICS			
11	10090	PRATYUSH DASGUPTA	A STUDY ON MULTIPLE FRAME APPROACH IN RANKED SET SAMPLING UNDER FINITE POPULATION FRAMEWORK
12	10254	SHWETANK LALL	EXPERIMENTAL DESIGNS FOR NONLINEAR RESPONSE SURFACES
13	10413	SADIKUL ISLAM	DEVELOPMENT OF EFFICIENT APPROACHES FOR COMBINED SURVEY INFERENCE

No.	ROLL NO	NAME OF THE STUDENT	Title of Thesis
AGRONOMY			
14	10098	SHAHANE AMIT ANIL	INFLUENCE OF CULTIVATION METHODS AND NUTRIENT MANAGEMENT ON PRODUCTIVITY AND NUTRIENT DYNAMICS IN RICE (<i>Oryza sativa</i> L.) - WHEAT (<i>Triticum aestivum</i> L.) CROPPING SYSTEM
15	10102	KHARE TUSHAR RAMCHANDRA	MOISTURE CONSERVATION AND MICROBE-MEDIATED ZINC FERTI-FORTIFICATION IN SOYBEAN - WHEAT CROPPING SYSTEM UNDER LIMITED IRRIGATION
16	10268	HARI NARAYAN MEENA	CROP RESIDUE AND POTASSIUM MANAGEMENT IN MAIZE -WHEAT- MUNGBEAN CROPPING SYSTEM
17	10418	DEVIDEEN YADAV	RESPONSE OF BASMATI RICE-WHEAT CROPPING SYSTEM TO IN-SITU AND EX-SITU GREEN MANURING AND ZINC FERTILIZATION
BIOINFORMATICS			
18	10430	Ms. PURRU SUPRIYA	DEVELOPMENT OF BIOINFORMATICS FRAMEWORK FOR ENHANCED UTILIZATION OF GENOMIC RESOURCES IN SESAME (<i>Sesamum indicum</i> L.).
ENTOMOLOGY			
19	9826	PANDURANGA G.S.	STUDIES ON EFFECT OF GAMMA IRRADIATION ON QUALITY PARAMETERS AND MATING COMPETITIVENESS OF MELON FLY, <i>Bactrocera cucurbitae</i> (Coquillett)
20	9966	Ms. SUBY S. B.	INDUCED DEFENSE MECHANISMS IN MAIZE AGAINST STEMBORER : ELUCIDATION VIA OMIC APPROACHES
21	10114	KAILASH CHANDRA NAGA	INVESTIGATIONS ON HOST PLANT RESISTANCE IN APPLE (<i>Malus</i> spp.) AGAINST WOOLLY APPLE APHID, <i>Eriosoma lanigerum</i> (HAUSMANN) (APHIDIDAE: HEMIPTERA)
22	10276	SUNIL KUMAR YADAV	DEVELOPMENT OF PHOSPHINE RESISTANCE IN KHAPRA BEETLE, <i>Trogoderma granarium</i> (EVERTS)
23	10370	MOHAMMED MUSTAFA IBRAHIM MUSTAFA	SELECTION OF <i>Apis mellifera</i> FOR HYGIENIC BEHAVIOUR VIS-À-VIS MITE AND DISEASE INCIDENCE
ENVIRONMENTAL SCIENCES			
24	10122	PARITOSH KUMAR	WETLAND PLANT CONSORTIA MEDIATED DECENTRALIZED MUNICIPAL WASTEWATER TREATMENT AND USE IN PARTICLE BOARD INDUSTRY
25	10446	KAJE VARUN VISHWASRAO	LONG TERM IMPACT OF ORGANIC FARMING ON GHGs EMISSIONS AND SOIL HEALTH UNDER RICE-WHEAT CROPPING SYSTEM
GENETICS AND PLANT BREEDING			
26	9831	PRASHANTKUMAR K. C.	MARKER ASSISTED BACKCROSS BREEDING (MABB) FOR DROUGHT TOLERANCE IN BREAD WHEAT (<i>Triticum aestivum</i> L.em. Thell.)
27	9981	HARIKRISHNA	MARKER ASSISTED RECURRENT SELECTION (MARS) FOR DROUGHT TOLERANCE IN WHEAT (<i>Triticum aestivum</i> L.)
28	10125	ZUNJARE RAJKUMAR UTTAMRAO	MARKER-AIDED INTROGRESSION OF <i> crtRB1</i> AND <i> lcyE</i> ALLELES FOR ENRICHMENT OF KERNEL BETA-CAROTENE IN MAIZE (<i>Zea mays</i> L.)
29	10282	VIDYA SAGAR	MARKER ASSISTED PYRAMIDING OF GENES FOR RESISTANCE TO BACTERIAL BLIGHT AND BLAST INTO AN ELITE RICE VARIETY PUSA BASMATI 1509
30	10286	VENNAMPALLY NATARAJ	CYTOGENETIC CHARACTERIZATION AND MOLECULAR MAPPING OF <i>Triticum militinae</i> DERIVED LEAF RUST RESISTANCE WHEAT
31	10288	Ms. N ANURADHA	ASSOCIATION MAPPING FOR GRAIN IRON AND ZINC CONTENT IN PEARL MILLET (<i>Pennisetum glaucum</i> (L). R. Br)
32	10454	MANU, B.	QTL MAPPING FOR DROUGHT TOLERANCE TRAITS USING BACKCROSS INBRED LINES (BILs) IN WHEAT (<i>Triticum aestivum</i> L.)

No.	ROLL NO	NAME OF THE STUDENT	Title of Thesis
HORTICULTURE (FLA)			
33	10294	Ms. HENUKA RAI	SCREENING OF CHRYSANTHEMUM VARIETIES FOR SALT TOLERANCE
HORTICULTURE (FRUIT SCIENCE)			
34	10471	ASHOK YADAV	IDENTIFICATION OF GENES ASSOCIATED WITH MANGO MALFORMATION THROUGH DIFFERENTIAL EXPRESSION ANALYSIS
HORTICULTURE (VEGETABLE SCIENCE)			
35	10479	NALLA MANOJKUMAR	STUDY ON GENETICS AND MOLECULAR TAGGING OF FERTILITY RESTORATION GENES IN PEPPER (<i>Capsicum annum</i> L.)
36	10482	MAHESH BADIGER	STUDIES ON GENETIC DIVERSITY AND INTERSPECIFIC CROSSES BETWEEN <i>Abelmoschus esculentus</i> AND ITS WILD RELATIVES FOR RESISTANCE TO BYVMV
MICROBIOLOGY			
37	10312	SHOBIT THAPA	PROSPECTING RICE PHYLLOSOPHERE FOR MICROBIAL COMMUNITY ENGINEERING
MOLECULAR BIOLOGY AND BIOTECHNOLOGY			
38	9716	Ms. CHARAGONDA REVATHY	CLONING AND CHARACTERIZATION OF PHYTOCHROME GENES IN CHICKPEA
39	9867	JAGANNADHAM PRASANTH TEJ KUMAR	CHARACTERIZATION OF DROUGHT-RESPONSIVE GENE(S) AND PROMOTER(S) FROM CHICKPEA (<i>Cicer arietinum</i> L.)
40	10017	CHET RAM	ISOLATION AND CHARACTERIZATION OF APHID RESPONSIVE PROMOTER FROM <i>Brassica Juncea</i>
41	10018	RAJENDRA PRASAD MEENA	IDENTIFICATION AND CHARACTERIZATION OF DROUGHT STRESS RESPONSIVE GENES FROM <i>Pennisetum glaucum</i> (L.) R. BR.
42	10316	MAHAJAN MAHESH MOHANRAO	DECIPHERING MOLECULAR MECHANISMS UNDERLYING SALINITY STRESS TOLERANCE IN KHARCHIA LOCAL
PLANT GENETIC RESOURCES			
43	10162	YEGAPPA HIPPARAGI	PHENOTYPIC AND GENOTYPIC CHARACTERIZATION OF SOYBEAN [<i>Glycine max</i> (L.) MERRILL] LANDRACES FROM NORTH WESTERN HIMALAYA
44	10164	NEMAPPA LAMBANI	GENETIC DIVERSITY, PHYLOGENY AND CRYOPRESERVATION STUDIES IN LIME [<i>Citrus aurantiifolia</i> (CHRISTM.) SWINGLE], AND LEMON (<i>C. limon</i> Burm.f.)
PLANT PHYSIOLOGY			
45	10036	Ms. LAXMI SHARMA	MOLECULAR ANALYSIS OF ASSOCIATION BETWEEN AUXIN AND REPRODUCTIVE STAGE STRESS TOLERANCE IN RICE
46	10038	SUMAN ROY	ROLE OF ASCORBIC ACID IN DROUGHT TOLERANCE OF WHEAT
SEED SCIENCE AND TECHNOLOGY			
47	10186	SUMEET KUMAR SINGH	OPTIMIZATION OF SEED PRODUCTION TECHNOLOGY IN GARDEN PEA (<i>Pisum sativum</i> var. <i>hortense</i> L.)
48	10348	VISHWANATH SHARMA	SEED COMPOSITION AND ITS RELATION WITH VIGOUR AND STORAGE BEHAVIOUR IN MAIZE
49	10350	HRISHIKESH SUTRADHAR	STUDIES ON HYBRID SEED PRODUCTION IN CARROT (<i>Daucus carota</i> L.)
SOIL SCIENCE AND AGRICULTURAL CHEMISTRY			
50	10193	DEBASIS GOLUI	ASSESSING BIOAVAILABILITY OF METALS IN CONTAMINATED SOILS

