

15th IUPAC INTERNATIONAL CONGRESS OF CROP PROTECTION CHEMISTRY

New Delhi, India
14 – 17 March 2023



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Invitation

We are pleased to inform you that Society for the Promotion of Sustainable Agriculture (SPSA), in association with ICAR-Indian Agricultural Research Institute, New Delhi (India) and Institute of Pesticide Formulation Technology, is proposing to hold **15th IUPAC International Congress of Crop Protection Chemistry on “Futuristic Approaches towards Seed to Market Strategies”** during March 14-17, 2023, New Delhi, India in the C. Subramaniam auditorium which is built in the heart of city, close to the center for Green Revolution in India, IARI, and can accommodate more than 1500 scientists interested in crop protection chemistry. The congress will provide a forum for scientists from different disciplines, in academia, industry and other areas to discuss

latest trends and discoveries in agrochemicals and phytomedicines, and to deliberate on important issues of agricultural research, presenting their views as policy inputs to the planners, decision/opinion makers at various levels. Participating at the Congress will give you the opportunity to broaden your network and to reach out to your fellow crop protection scientists.

The Congress is held every four years across the globe since 1967 and it will be the first time that this Congress is being held in India and Japan is the only country in Asia which has hosted this Congress previously. These IUPAC Congresses are organized by the Division of Chemistry and Environment's Advisory Committee on Crop Protection Chemistry, in collaboration with many national, international and global partner organizations. This Congress is attended by Chemists from all over the world working in the field of Pesticide Chemistry and which normally sees a gathering of more than 1500 attendees including Nobel laureates. This is next in series after the Ghent Congress in 2019.

The deliberations during the congress will encompass vital issues relating to the role of agrochemicals in crop production in general and crop protection, value addition and input use efficiency in particular. The congress will also offer insight into the latest developments of the relevant science and provide forum for interactions, among representatives of different disciplines from all over the world.

The emphasis of the 2023 Congress will be on "**Futuristic Approaches towards Seed to Market Strategies**" which is believed to be the most efficient way towards sustainable farming. See the website www.iupac2023.in for details.

The congress will comprise of a number of plenary and keynote lectures by the world's leading scientists reviewing the principal theme areas of the congress. Besides new compounds, new concepts and new uses, the congress will cover other traditional areas of research such as pest diseases, weed and resistance management, exploring biodiversity for botanical and biopesticides, genetically modified crops, as well as research into effects on human health, risk management, ecotoxicology, and remediation strategies. Inauguration and scientific deliberations of the congress will start on 14th March 2023; each morning will feature plenary lectures, followed by parallel sessions featuring invited lectures as well as contributory papers and poster presentations. The official language of the congress is English. No simultaneous translation in other languages shall be available.

We have great pleasure in inviting you to participate in the congress, present your research papers relevant to the congress themes and stimulate the scientific discussions through your valuable ideas and inputs so as to ensure successful and fruitful

deliberations. It is also proposed to organize concurrently an instrument and manufacturers exhibition during the congress.

Themes of the Congress

1. Discovery & Optimization of new Crop Protection Products: New Innovations for Sustainable Crop Protection in:

- Insecticides

- Fungicides

- Herbicides

- Nematicides, Animal Health products and Non-Crop Agrochemicals (Vector Control, Home & Garden, etc.)

- Modern discovery approaches and green chemistry in Crop Protection

2. Biopesticides and Biocontrol agents:

- Semiochemicals including Pheromones

- Plant extracts

- Microbials derived solutions

- Plant growth regulators

- Sprayable RNAi biocontrols

- Bio-stimulants

3. Mode of Action and Development and Management of Resistance in:

- Insecticides

- Herbicides

- Fungicides

- Vector Control

- Genome-based technologies

4. Biotechnology:

- Genetically Enhanced Crops for Pest Management

- Human and Environmental Assessments for Biotechnology Derived Crops

- Regulation of GMOs and Gene Editing

5. Advances in Analytical Technologies, Informatics, and Nanotechnologies:

- Omics: Proteomics, Lipidomics, Metabolomics and Multiomics

- Analytical Innovation in a Regulatory Environment

- Analysis of microorganisms and microbiome

Analytical Nanoscience and Nanotechnology
Improving sustainability in the laboratory

6. Ecological and Human Safety Assessment of Products (Chemical, Biological and Biotechnology):
 - Environmental Fate, Metabolism and Monitoring
 - Ecological Exposure and Effects Testing and Modeling
 - Risk Assessment and Risk Management
 - Chemical Ecology and Signalling
 - Impact on pollinators and other beneficial insects
 - Advances and Methodologies in Human Health Assessments
 - Endocrine Disruption and Testing
 - Non-dietary exposure, hazard and risk to human health
 - Reducing risks for non-target organisms
 - Protecting Food Quality and Safety

7. Digital and Precision Agriculture for Sustainable Agriculture and its Stewardship:
 - Application Technologies, Sensors, Delivery systems
 - Artificial Intelligence, Big Data, and Cyber-technologies
 - Advances in Formulation Technologies including nano formulations
 - Disruptive and Non-chemical pest control technologies
 - Protecting Biodiversity, Non-Target Organisms, and Endangered Species
 - Integrated Pest Management
 - Reducing the Environmental Footprint of Crop Production
 - Conservation Practices to Sequester Soil Carbon
 - Responsible Use Training of Producers
 - Support to Small Farmers (Technological, Digital and other)

8. Regulatory Landscape, Policy, Trade, Science Communication and Engagement:
 - Changing Global Regulatory Landscape: Recent Evolutions
 - Residues in Food (MRLs) and Global Trade
 - Spurious pesticides and Data protection
 - Multi-stressor assessments
 - Open Science and Transparency
 - Combating Mis-information and Dis-Information
 - Regulatory Science Education Programs
 - Consumer Perceptions of Risk
 - Novel approaches for stakeholder engagement

HOST ORGANIZATIONS



Indian Council of Agricultural Research (ICAR)

The Indian Council of Agricultural Research acts as a repository of information and provides consultancy on agriculture, horticulture, resource management, animal sciences, agricultural engineering, fisheries, agricultural extension, agricultural education, home science and agricultural communication. It has the mandate to coordinate agricultural research and development programmes and develop linkages at national and international level with related organisations to enhance the quality of life of the farming community.

ICAR has established various research centres in order to meet the agricultural research and education needs of the country. It is actively pursuing human resource development in the field of agricultural sciences by setting up numerous agricultural universities spanning the entire country. The Technology Intervention Programmes also form an integral part of ICAR's agenda which establishes Krishi Vigyan Kendras (KVKs) responsible for training, research and demonstration of and new improved technologies.

Website: www.icar.gov.in



Indian Agricultural Research Institute (IARI)

The Indian Agricultural Research Institute is the country's premier national Institute for agricultural research, education and extension. It has served the cause of science and society with distinction through first rate research, generation of appropriate technologies and development of human resources. In fact, the Green Revolution was born in the fields of IARI and its graduates constitute the core of the quality human resource in India's agricultural research and Institute has all along been adjusting and improving its policies, plans and programmes to effectively respond to the needs and opportunities of the nation. During the fifties, the advancement of scientific disciplines constituted the core programme and provided the base for its fast expansion in the 1960s and 1970s in all its three interactive areas, namely, research, education and extension. Besides basic research, applied and commodity research gained great importance resulting in the development of several popular high yielding varieties of

almost all major crops and their associated management technologies, which brought about an unprecedented increase in the national food and agricultural production.

Website: www.iari.res.in



Institute of Pesticide Formulation Technology (IPFT)

Institute of Pesticide Formulation Technology is an autonomous institution under the Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India. It was established in May 1991 and it has emerged as a reputed R & D centre for the development of safer, efficient and environment friendly pesticide formulations, bio-pesticides, application technologies and analytical methodologies. More than sixty technologies have been developed at IPFT and successfully transferred to various agrochemical industries. It has state-of-art laboratories for pesticide quality control as per BIS and CIPAC and is recognized by CIB & RC for Bio-efficacy for pesticides to be registered for domestic use in house hold and for persistence & residue studies. The Laboratory is NABL Accredited as per ISO/IEC - 17025 for the testing of Pesticides (Technical & Formulations), pesticide residues in various food matrices and CWC related chemicals.

Website: www.ipft.gov.in



Society for the Promotion of Sustainable Agriculture (SPSA)

The Society for the Promotion of Sustainable Agriculture (SPSA) was founded in 2008. It is an academic Society devoted to all aspects of the sustainable agriculture and technology with an aim to promote the following objectives:

- To promote sustainable and equitable agriculture and rural development.
- To promote good agricultural practice.
- To promote research in the fields of agriculture and rural development.
- To promote dissemination of information and the promotion of research including undertaking of studies, techno-economic research and to provide consultation services in the field of agriculture and rural development.
- To promote export oriented production and development of the scheduled products.
- To promote the development and commercialization of indigenous technology.

CONGRESS FORMAT

Main Topics

A complete program is proposed that will include some of the traditional topics of past Congresses and will be expanded to include current and emerging issues. Increased emphasis will be placed on biotechnology and nanotechnology derived technologies and molecular approaches for discovery and understanding. Consequently, the program will include appropriate analytical methods and risk assessments for these new technologies. Also, the program will highlight ecological chemistry useful for producing new products and understanding of potential applications to sustaining agricultural productivity and protecting human health.

Program Structure

The technical program will include four days of oral and poster presentations.

Each meeting day will have two plenary speakers invited to address global issues related to the Congress theme.

The proposed Main Topics and associated subtopics will be proportionately divided among the days of the Congress in concurrent sessions.

Each Main Topic will have several invited session speakers to provide critical reviews of the subject matter, current state-of-the art, and projections of where the field is headed.

A central focus will be the oral presentations and afternoon/evening poster sessions. Organizers will develop interactive discussion sessions based on several related posters.

Innovative Programming Activities

Presentations from plenary speakers will be recorded and their talks will be made available on the website along with other content from the Congress.

Theme organizers will be asked to develop at least one peer-reviewed book or Journal special issue from the Congress to address the most important topics presented in oral or poster presentations in their section.

At the end of each oral session, selected poster presenters of related topics will be asked to give a one-slide teaser presentation of their poster to encourage attendance at the poster social.

Luncheon seminars on special topics will be offered with a focus on professional development for younger scientists

The Congress will hold a Dissertation Competition for recent Ph.D. graduates to receive travel assistance.

The organizing committee will reach out to growers and agricultural groups in the region in advance of the Congress to design some outreach activities and workshops/discussion sessions as part of the program.

Social Programs

Registration at venue and reception dinner – Monday, March 13, 2023

Inaugural function and scientific deliberations -Tuesday, March 14, 2023

Poster presentations- during lunch on Tuesday to Thursday, March 14 to 16, 2023

Banquet dinner–Wednesday, March 15, 2023

Social events and cultural programmes- evening time on Tuesday to Thursday, March 14 to 16, 2023

Local tours – Tours will be planned to take advantage of the many museums and tourist sites in New Delhi area.

Valedictory function – March 17, 2023, 4:00 PM onwards

CALL FOR ABSTRACTS

A copy of the abstracts should be sent to the conveners on or before 30th November 2022 through email iupac2023@gmail.com or upload to the congress website www.iupac2023.in as an MS-WORD document file. The abstract should be typed using microsoft word underlining the name of the presenting author.

FORMAT OF ABSTRACT

Title (14 font size and centered)

Presenting Author, Other Authors, Corresponding Author* (12 Point, Normal)

Department Name, Institute Name, Institute Address (10 Point, Normal), E-mail: (9 Point, Normal). Underline 'Presenting author'

Presenting and Corresponding authors' contact details, phone number and email address.

Individuals may submit **maximum three abstracts, but only one as presenting author**. The one-page abstract should be typed in 10 point, Times New Roman, normal font, single space. Each abstract should not be more than 350 words.

Use A4 size paper with margins-top: 1 inch; bottom: 1 inch; left: 1.25 inches; and right 1.25 inches.

Important: Cite the references in parentheses e.g., Jain et al. [1] in the text.

References should be typed in 9 point, normal font, and single space.

The entire abstract including text, figures, equations, structure, schemes and reference must be sent as a MS-WORD DOC file.

The printed area should be 5.8 inches (W) x 9.7 inches (L).

Reference (9 font size and bold)

Shailesh Kumar Jain, Anirban Dutta, Jitendra Kumar and Najam A. Shakil (2020) Preparation and characterization of dicarboxylic acid modified starch-clay composites as carriers for pesticide delivery. *Arabian Journal of Chemistry*, 13, 7990–8002.

Presentation

Multimedia projectors for Power Point Presentations will be available.

Poster presentation instructions

The size of a poster should not exceed 1.80 m (height) and 0.90 m (width).

Abstracts scheduled for presentation will be grouped by topic, numbered and listed in the Final Program.

The decision of scientific committee will be final for date, timing and mode of presentation.

Congress registration is mandatory to present the paper/abstract in the congress.

SUBMISSION CATEGORIES

- Plenary Lecture
- Invited Lecture
- Oral Presentation
- Poster presentation
- Dissertation Competition Lecture

Abstract Structure

- Aims / Objectives.
- Materials and method
- Results
- Conclusion

Important Date

Abstract Deadline: 30th November 2022

EXHIBITION AND SPONSORSHIP

Branding and Sponsorship Opportunities (Category and Amount)

Congress Main Sponsor: INR 75 lakhs (100000 USD)

Premium Sponsor: INR 35 lakhs (45000 USD)

Platinum Sponsor: INR 20 lakhs (25000 USD)

Gold Sponsor: INR 15 lakhs (15000 USD)

Silver Sponsor: INR 10 lakhs (10000 USD)

Bronze Sponsor: INR 5 lakhs (5000 USD)

Lunch & Dinner sponsorship: INR 30 lakhs (40000 USD)

Banquet Dinner sponsorship: INR 50 lakhs (65000 USD)

Theme sponsorship: INR 10 lakhs (15000 USD)

Theme Co-sponsorship: INR 5 lakhs (10000 USD)

Poster sponsorship: INR 5 lakhs (5000 USD)

Plenary lecture sponsorship: INR 25 lakhs (30000 USD)

Travel sponsor of Dissertation competition for recent PhD graduates or scientifically emerging country scientist: INR 20 lakhs (25000 USD)

Following inclusions are for:

Main, Premium and Platinum sponsors - Theme sponsorship

Silver sponsors - Theme Co-sponsorship

Gold sponsors - Poster sponsorship

EXHIBITION

An exhibition will be organized at the Congress venue and organizations interested may kindly contact chairs for the same.

Exhibition Stall

Size 3m X 2m

Charges INR 200000 (2500 USD) White powder coated octanorm system with white laminated panels

Three side walls

One table (4 X 2feet)

Two chairs

Three spot lights

One power point (5/15 Amp)

One dustbin

Name of the organization will be written with vinyl letter

Size 2m X 2m

Charges INR 150000 (2000 USD) White powder coated octanorm system with white laminated panels

Three side walls

One table (4 X 2feet)

Two chairs

Three spot lights

One power point (5/15 Amp)

One dustbin

Name of the organization will be written with vinyl letter.

ADVERTISEMENT

Advertisements can be included in the Congress publications.

Type of advertisement	Charges
Front cover page (colour)	INR 2,00,000 (2500 USD)
Back cover page (colour)	INR 150000 (2000 USD)
Inner page of front and back cover (colour)	INR 100000 (1500 USD)
Full page inside (black and white)	INR 50,000 (700 USD)
Half page inside (black and white)	INR 25,000 (350 USD)

Insurance

The Organizing Committee assumes no liability for participants' personal accidents, sickness, theft or property damage. Participants are requested to make their own arrangements with respect to health and travel insurance.

Important Dates

Closing date for abstract submission : 30th November 2022

Closing date for accommodation request : 31st October 2022

Mode of payment

Kindly send Demand draft/at par cheque in favour of Bank details only from within India, subject to realization

Electronic Transfer to Congress Bank Account: Please remit funds through Swift to SBININBB563 for credit in Account name: IUPAC2023DELHI, Account Number: 40777186312 at State Bank of India, NSC, Beej Bhawan, New Delhi, India (IFSC Code SBIN0005389). Care must be taken to ensure that the Bank Service Charges is borne by the participant.

ACCOMMODATION

The registration fee does not include accommodation charges. The participants are encouraged to make their own arrangements for stay. However, participants requiring accommodation may forward the request in advance to the organizers for making arrangements on their behalf or by logging on to the congress official tours and travels on the congress website. Foreign participants are requested to book their accommodation directly with the congress Tours & Travels Partner on congress website.

GENERAL INFORMATION

VISA: A valid VISA is necessary for all overseas delegates and all delegates are requested to apply at least 6 to 8 weeks before the proposed date of departure. For China and SAARC countries a permission authorization will be sent to the respective Indian consulate office in their country, however the individual delegate is required to

apply for Indian visa, well in advance. Please consult your travel agency or nearest Indian Embassy/Consulate office.

“IUPAC sponsorship implies that entry visas will be granted to all bonafide chemists provided application is made not less than three months in advance. If a visa is not granted one month before the meeting, the IUPAC secretariat should be notified without delay by the applicant.”

Letter of Invitation: Individuals requiring an official letter of invitation in order to obtain a visa and authorization to attend the congress should contact the IUPAC2023 Organizing Committee. An invitation letter will be sent on request to registered delegates only. The letter of invitation does not financially obligate the congress organizers in any way. All expenses incurred in relation to the congress are the sole responsibility of the participant.

CONTACT US



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For more information and updates, kindly visit www.iupac2023.in

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15th IUPAC International Congress of Crop Protection Chemistry - “Futuristic Approaches towards Seed to Market Strategies” (IUPAC 2023)
Bharat Ratna C. Subramaniam Auditorium (NASC Complex), New Delhi, India
14th-17th March 2023

REGISTRATION FORM

(Please use CAPITAL LETTERS)

Name: Prof./Dr./Mr./Mrs./Ms

(As required on Badge) (First Name) (Middle Name) (Last name)

Address:.....

.....

.....

State/City.....Postal

Code.....

Telephone

(Res.).....(O).....(Mob).....

E-mail:.....

Name of accompanying Person:

1.....2.....

Accommodation required: Yes/No.....

Registration Fees (non-refundable)

Category	Upto 31 st December 2022	Upto 31 st January 2023	Spot
Foreign delegates-faculty	900 USD	1000 USD	1100 USD
Foreign delegates-student	500 USD	550 USD	650 USD
Foreign delegates-accompanying person	300 USD	350 USD	400 USD
Foreign companies	1500 USD	1600 USD	2000 USD
Indian delegates-faculty	12000 INR	15000 INR	18000 INR
Indian delegates-student	7000 INR	8000 INR	10000 INR
Indian delegates-accompanying person	6000 INR	8000 INR	10000 INR
Industry and private organizations	40000 INR	45000 INR	50000 INR

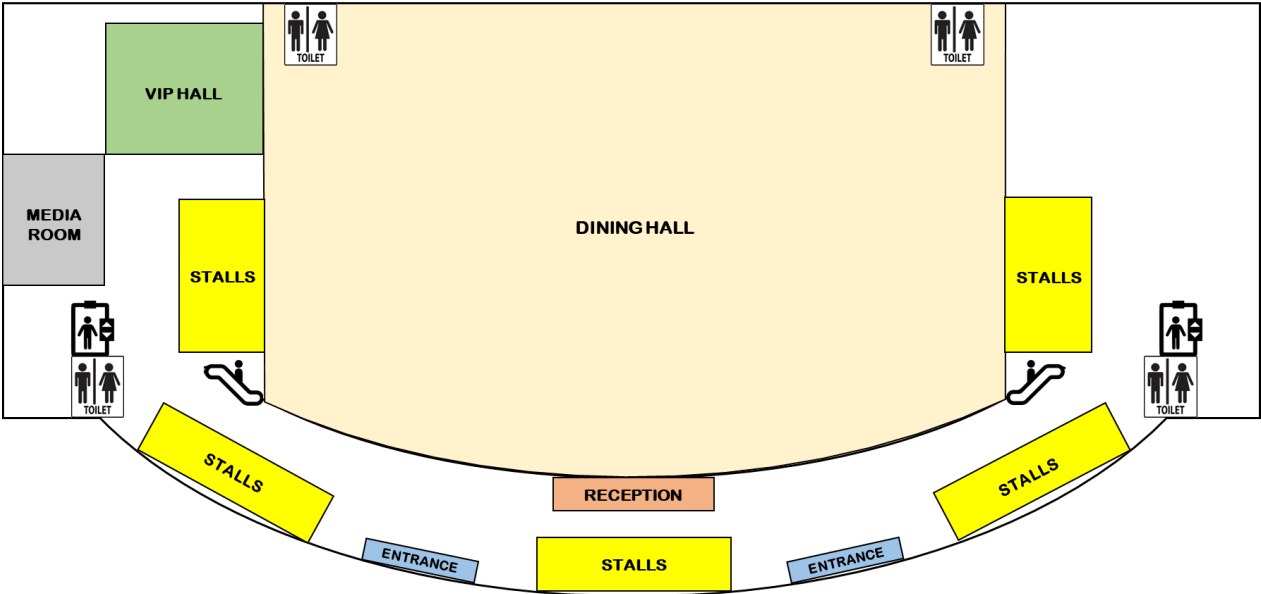
The registration fee for the participant will cover participation in all scientific sessions, the proceedings and other printed materials, welcome reception on 13th March 2023 (evening), lunches, dinners and tea/coffee during the lecture break during 14-17 March 2023.

Accompanying person(s) charges include the welcome reception. However, lunch coupons can be purchased at the registration desk by paying INR 2000/USD 50 per person per day and Banquet dinner tickets need to be purchased separately by paying INR 5000/USD 100 per person.

Venue - Bharat Ratna C. Subramaniam Auditorium, NASC Complex, Dev Prakash Shastri Marg, New Delhi



GROUND FLOOR LAYOUT



FIRST FLOOR LAYOUT

