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IUPAC

15th ICCPC 2023 NEW DELHI

15th IUPAC International Congress of Crop Protection Chemistry:

Futuristic Approaches Towards Seed to Market Strategies

14-17 March, 2023, New Delhi, India

Programme



Editors

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SCIENTIFIC PROGRAMME

15th IUPAC International Congress of Crop Protection Chemistry:

Futuristic Approaches Towards Seed to Market Strategies

**Bharat Ratna C. Subramaniam Auditorium (NASC Complex)
New Delhi, India**

March 13th 2023

4.30 – 6.30 PM Registration at C. Subramaniam Auditorium

7.30 PM Onward Reception Dinner

All Lunch and Dinner in the Exhibition cum Dining Hall

All concurrent sessions will be held in Halls A, B, C, D, E, F and G

PL: Plenary Lectures (45 minutes)

IL: Invited Lectures (25 minutes)

OP: Oral Presentations (15 minutes)

Poster Hang-up and Presentation upload will be from 8.30-9.30 am everyday in respective Halls

(All Plenary Lectures will be in Hall A)

March 14th 2023

8.30 – 9.30 AM Registration (Reception Desk)

SESSION 01 INAUGURAL FUNCTION

10.00 – 11.40 AM Inauguration in Hall A

11.40 – 12.00 PM **TEA**

SESSION 02 Chairperson: T. Mohapatra and K. Matsuda

12.00 – 12.45 PM **PL-1 Himanshu Pathak** - Pest Management in Agriculture: Climate Change Perspective

12.45 – 1.30 PM **PL-2 Linda O. Mearns** - Current Knowledge regarding Global and Regional Climate Change and Implications for the Future of Agriculture

1.30 – 1.45 PM **DISCUSSION**

1.45 – 2.30 PM **LUNCH & POSTER SESSION 01 of DIFFERENT THEMES (1,2,4,5 and 7)**

Hall A (Theme 1)

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

Time	SESSION 03 (25 minutes) Chairpersons: Peter Maeinfisch and Najam Akhtar Shakil
2.30-2.55 PM	IL-1 Wenming Zhang - The Discovery of Indazaproxamet: A Novel 3-Pyridinyl Insecticide Targeting Piercing/Sucking Insects
2.55-3.20 PM	IL-2 Andrew J.F. Edmunds - Insecticidal Alkylsulfones: Discovery of Novel Structural Types with Differentiated Opportunities for Pest Control
3.20-3.45 PM	IL-3 Rupsha Chaudhuri - Pyrazoline Insecticides – Voltage Gated Sodium Channel Blockers
3.45-4.10 PM	IL-4 Kasinath Sana - The Discovery of Novel 1,3,4-Trisubstituted Pyrazoles and their use as Insecticides
4.10-4.30 PM	TEA
Time	SESSION 8 (25 minutes) Chairpersons: Karsten Koerber and Sebastian Rendler
4.30-4.55 PM	IL-5 Desirée Hodges - Discovery, research, and development of Axalion™ Active Insecticide: Dimpropridaz
4.55-5.20 PM	IL-6 Joachim Dickhaut - Discovery and Development of Fenmezoditiaz
5.20-5.45 PM	IL-7 Sujoy Saha - Fungicides: The evolutionary saga
5.45-6.00 PM	OP-12 Hui Shao - Development of Sustainable Crop Protection Formulation Products
6.00-6.15 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall B (Theme 2)

Biopesticides and Biocontrol agents

Time	SESSION 04 (25 minutes) Chairpersons: Desmond R Jimenez and C. Devakumar
2.30-2.55 PM	IL-1 B Doughan - Corteva Biologicals

2.55-3.20 PM	IL-2 V S Rana - The Technological Interventions and Prospects of Biopesticides for Pest Management in Sustainable Agriculture
3.20-3.45 PM	IL-3 D Dey - Indian Insect Diversity and Their Role in Control of Invasive Pests
3.45-4.10 PM	IL-4 G Povero - Application of the GEAPOWERO Technology Platform for Developing a New Biostimulant Rising to the Challenge of Making Crop Water Use More Efficient
4.10-4.30 PM	TEA
Time	SESSION 9 (25 minutes)
	Chairpersons: Peter Maienfisch and Suresh Walia
4.30-4.55 PM	IL-5 J Leipner - Discovery of Anisiflupurin, an Inhibitor of Cytokinin Dehydrogenase that Mitigates Heat-Induced Yield Reduction in Rice
4.55-5.20 PM	IL-6 G Venburg - Development of S-Absciscic Acid Products to Improve Grain Fill, Yield and Milling Quality in Cereal Crops
5.20-5.45 PM	IL-7 P Balakrishnan - Ascophyllum Nodosum Based Plant Biostimulant Shapes the Bacterial Community in the Rhizosphere of Corn
5.45-6.10 PM	IL-8 Marko Vincekoviæ - Preparation, Characterisation, and Application of New Biopolymer Microparticles with 3 in 1 effect for Plant Protection and Nutrition
6.10-6.25 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall D (Theme 4)

Advances in Analytical Technologies, Informatics, and Nanotechnologies

Time	SESSION 05 (25 minutes)
	Chairpersons: Chris Hatzenbeler and Sara Cunha
2.30-2.55 PM	IL-1 Nadeem Ahmad Khan - Advancement in Analytical Techniques: Focus on Plant Protection Product Analysis
2.55-3.20 PM	IL-2 Fukumatsu Iwahashi - Metabolomic Analysis of <i>Schoenoplectus juncoides</i> Reveals Common Markers of Acetolactate Synthase Inhibition among Paddy Weeds

3.20-3.45 PM	IL-3 Moustafa Khalifa - Development and Validation of Analytical Method for Identification and Quantification of Three Pyrethroids (Imiprothrin, Deltamethrin and Transfluthrin) in their Raw Materials and Their Formulations based on HPLC-Photodiode Array Detector
3.45-4.10 PM	DISCUSSION
4.10-4.30 PM	TEA
Time	SESSION 10 (15 minutes)
	Chairpersons: Mark Christopher Ott and Sara Cunha
4.30-4.45 PM	OP-1 Jigni Mishra - Genotypic Variation in Total Protein, Fatty Oil and Lignan Composition in the Seeds of <i>Sesamum indicum</i> L.
4.45-5.00 PM	OP-2 Mansi Singh - Multi-Residue Method for Determination of 151 Pesticides in Fruits and Vegetable by Liquid Chromatography Mass Spectrometry
5.00-5.15 PM	OP-3 Nagaraj M Naik - Validation of an Analytical Method for Determination of Eight Toxic Elements in Spinach by Microwave Assisted Digestion with Inductively Coupled Plasma Mass Spectrometry
5.15-5.30 PM	OP-4 Mukesh Kumar Singh - Method Development and Validation for Residue Analysis of Eight Polar Pesticides in Rice by LC- ESI –MS/MS equipped with HILIC Column
5.30-5.45 PM	OP-5 Poornima Saxena - Method Development and Validation for Residue Analysis of Pesticides in Water by Tandem Gas Chromatography Mass Spectroscopy
5.45-6.00 PM	OP-6 Samsul Alam - Trace Level Accurate Determination of Methyl Mercury and Inorganic Mercury in Different Matrices using Microwave Assisted Extraction Followed by LC-ICP-MS Speciation Analysis
6.00-6.15 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall E (Theme 5)

Ecological and Human Safety Assessment of Products: Chemical, Biological and Biotechnology

Time	SESSION 06 (25 minutes) Chairpersons: Laura McConnell and Shbaita Haytham
2.30-2.55 PM	IL-1 Dimitrios G. Karpouzas - Pesticide Soil Microbial Toxicity: Setting the Scene for a New Pesticide Risk Assessment for Soil Microorganisms
2.55-3.20 PM	IL-2 Zisis Vryzas - Reconsidering the Environmental Fate of Pre- and Post- Emergent Herbicides and Weed Resistance Management under New Technological Advances: The Soya Case Study
3.20-3.45 PM	IL-3 Bipul Behari Saha - Overview of IUPAC Division VI (Division of Chemistry and the Environment)
3.45-4.10 PM	DISCUSSION
4.10-4.30 PM	TEA
Time	SESSION 11 (15 minutes) Chairpersons: Zisis Vryzas and Dhruva Jyoti Sarkar
4.30-4.45 PM	OP-1 Mohammad A Waseem - Effect of Fipronil on Colony Performance of <i>Apis Mellifera</i> under Field and Semi-Field Conditions in Onion (<i>Allium Cepa</i> L.)
4.45-5.00 PM	OP-2 Abhijit Kar - Monitoring of Pesticides in Small Streams Adjacent to Paddy Fields of Odisha
5.00-5.15 PM	OP-3 Abhishek Mandal - Restoring Basmati Rice's Safety: Monte Carlo Simulation Assisted Investigation of Microporous Nano-Metal organic Frameworks as Tricyclazole Super Adsorbents
5.15-5.30 PM	OP-4 Neethu Narayanan - Dissipation of Sulfamethoxy-pyridazine, A Sulfonamide Antibiotic, in Soil and Water
5.30-5.45 PM	OP-5 Sowmiya C - In Silico and Molecular Analysis of Neonicotinoids Detoxification by Glutathione-S-Transferase (GST) in Asiatic Honey Bee, <i>Apis cerana</i> Fab.
5.45-6.00 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall G (Theme 7)

Regulatory Landscape, Policy, Trade, Science Communication and Engagement

Time	SESSION 07 (25 minutes) Chairpersons: Caroline Harris and K. K. Sharma
2.30-2.55 PM	IL-1 Basanta Kumar Das - Status of Aqua-Medicines and Agrochemicals Use in Indian Aquaculture
2.55-3.20 PM	IL-2 Laura L. McConnell - Global Collaborations on Agricultural Science Provide Pathways to a Sustainable Future
3.20-3.45 PM	IL-3 Thomas Lyall - European Union Regulatory Policy Developments and Their Potential Impacts on Asian Food Production
3.45-4.10 PM	DISCUSSION
4.10-4.30 PM	TEA
Time	SESSION 12 (15 minutes) Chairpersons: Caroline Harris and Craig Dunlop
4.30-4.45 PM	OP-1 Ankita Pandey - Modernising Agrochemicals Risk Assessment in India: Opportunities to Implement New Approach Methodologies and Reduce Animal Testing
4.45-5.00 PM	OP-2 Binod Anand - Combating Misinformation in Crop Protection Sector: Role of Civil Society in Bringing Right to Technology
5.00-5.15 PM	OP-3 Manisha Paliwal - The Importance of Regulatory Data Protection or Exclusive Use and other Forms of Intellectual Property Rights in the Crop Protection Industry
5.15-5.30 PM	OP-4 Devaguptapu V S Chandra - Enhancing Global Trade of Agricultural Products
5.30-5.45 PM	OP-5 Jochen Heidler - Residues of Triazole and Dithiocarbamate-Fungicide Derived Degradation Products as well as Chlormequat in Complex Food Samples – Selected Results from the German MEAL Study
5.45-6.00 PM	OP-6 Meng Wang - Bayer's Commitments to Transparency: Opening Up Our Science to Build Public Trust
6.00-6.15 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

March 15th 2023

Time	Plenary Lectures
	SESSION 13
	Chairpersons: TR Sharma and Laura McConnell
9.00 – 9.45 AM	PL-3 Abdul M. Mouazen - The role of smart farming in optimizing the use of agrochemicals towards maximum profitability and minimum environmental footprint
9.45 – 10.30 AM	PL-4 Camilla Corsi - Food security and the agritech revolution
10.30 – 11.00 AM	DISCUSSION
11.00 – 11.40 AM	TEA

Hall A (Theme 1)

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

Time	SESSION 14 (25 minutes)
	Chairpersons: Peter Maienfisch and Sunil Mandal
11.40-12.05 PM	IL-8 Klaas Lohmann - The Discovery of Revysol
12.05-12.30 PM	IL-9 S. Kiguchi - Discovery and Biological Profile of Pyridachlometyl
12.30-12.55 PM	IL-10 Ashish Batra - Consistently delivering sustainable innovations by changing the paradigms in product development of crop protection solutions
12.55-1.20 PM	IL-11 Victoria Jackson - Picolinamide Complex III Inhibitors: Discovery, Synthesis and Structure - Activity Relationship of novel benzothiazoles for disease control
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 02 (Themes 1, 2 and 5)
Time	SESSION 20 (25 minutes)
	Chairpersons: Mark Pobanz and Karsten Koerber
2.00-2.25 PM	IL-12 Ravisekhara Reddy - Discovery and optimization of a novel herbicide, Rimisoxafen

2.25-2.50 PM	IL-13 Joshua S. Mylne - The role for structural biology in new mode-of-action herbicide discovery
2.50-3.15 PM	IL-14 David M. Barber - KetoEnols: New Solutions for the Control of Resistant Grass Weeds
3.15-3.40 PM	IL-15 Furuhashi Takamasa - Dimesulfazet - discovery and mode of action of a novel rice paddy herbicide
3.40-4.00 PM	DISCUSSION
4.00-4.25 PM	TEA
4.25-6.30 PM	POSTERSESSION
Time	SESSION 26 (25 minutes)
	Chairpersons: Ravisekhara Reddy and Peter Maienfisch
4.00-4.25 PM	IL-16 Yoshinao Sada - Rapidicil™, a New Systemic PPO Herbicide for Broad-spectrum Weed Control
4.25-4.50 PM	IL-17 Jens Frackenhohl - Design, synthesis, and SAR of new protoporphyrinogen oxidase-inhibitors (PPO) overcoming resistance issues in driver weeds
4.50-5.15 PM	IL-18 Durg Vijay Singh - Design and development of lead molecules through Computer Aided Drug Discovery against herbicide-resistant <i>Phalaris minor</i> : A weed of wheat crop field
5.15-5.40 PM	IL-19 Tom Meade - Target-based Discovery of Crop Protection Chemistries Powered byDNA-Encoded Libraries
5.40-6.05 PM	IL-20 Olivier Loiseleur - TYMIRIUM® technology: The discovery of Cyclobutrifluram
6.05-6.20 PM	DISCUSSION
6.15-8.00 PM	SOCIALEVENT
8.00 PM	BANQUET DINNER

Hall B (Theme 2)

Biopesticides and Biocontrol agents

Time	SESSION 15 (25 minutes)
	Chairpersons: Jerome Cassayre and VS Rana
11.40-12.05 PM	IL-9 Jayeeta Bhaumik - Agri-Waste Lignin Based Nano-Fertilizers and Nano-Pesticides for Applications in Sustainable Agriculture
12.05-12.30PM	IL-10 S. Muruganandam - Advances and Challenges of RNA Based Biocontrol Product Development

12.30–12.55 PM	IL-11 Christopher Dunlap - The Role of Secondary Metabolites in the Diversity of <i>Bacillus subtilis</i> Group; An important Group of Crop Protection Microbes
12.55–1.20 PM	IL-12 Tanu Jindal - Investigation of Extremophilic Microorganisms Isolated from the Indian Sector of Southern Ocean for Degradation of Anionic Surfactants
1.20–1.30 PM	DISCUSSION
1.30–2.00 PM	LUNCH & POSTER SESSION 02 (Themes 1, 2 and 5)
Time	SESSION 21 (25 minutes)
	Chairpersons: Desmond R Jimenez and DB Saxena
2.00–2.25 PM	IL-13 Giddi Hema Sagar - Compatibility of Co-Formulants with Microbial Strains to Enhance Biopesticides Efficacy
2.25–2.50 PM	IL-14 Sachin S Suroshe - Bio-Intensive Management of Invasive Fall Armyworm, <i>Spodoptera frugiperda</i>
2.50–3.15 PM	IL-15 Ratnakar Asolkar - Microbial Based Crop Protection: Discovery & Development of a Potent Bionematicide from a Novel <i>Burkholderia rinogensis</i>
3.15–3.40 PM	IL-16D Zommick - <i>Bacillus thuringiensis</i> : Navigating the Crossroads between Sustainable Agriculture and Food Safety
3.40–4.00 PM	IL-17 Rosa Gimenez - 50 Years of Sustainable Crop Protection with DiPel® Biological Insecticide Working with Conventional Chemistries
4.00–4.10 PM	DISCUSSION
4.10–4.25 PM	TEA
4.25–6.30 PM	POSTERSESSION
6.15–8.00 PM	SOCIALEVENT
8.00 PM	BANQUET DINNER

Hall C (Theme 3)

Mode of Action and Development and Management of Resistance

Time	SESSION 16 (25 minutes)
	Chairpersons: K. Matsuda and Debjani Dey
11.40–12.05 PM	IL-1 Philipp Johnen - Acyl-ACP Thioesterases (FATs): Confirmation of the Mode of Action of LUXIMO® and

	Identification of a Hidden FAT Inhibitor Cluster in Commercially Available
12.05-12.30 PM	IL-2 Kensuke Ohta - Stacking Effects and Inheritance of the Mutated ALS Genes in SU-Resistant Weeds in Japanese Rice Paddy
12.30-12.55 PM	IL-3 Bodo Peters - The Fight for Clean Fields: Digitally Enabled Weed Resistance Management Towards Sustainable Agriculture
12.55-1.20 PM	IL-4 Amar Chittiboyina - Natural Product Inhibitors of the Common Enzyme, <i>p</i> -Hydroxyphenylpyruvate Dioxygenase (HPPD), as Herbicides and Insecticides
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 02 (Themes 1, 2 and 5)
Time	SESSION 22 (25 minutes)
	Chairpersons: Ralf Nauen and Bodo Peters
2.00-2.25 PM	IL-5 Srinivas Parimi - IRAC Asia and Insecticide Resistance Management Initiatives
2.25-2.50 PM	IL-6 Karaoglanidis G - Multiple and Multidrug Resistance in <i>Botrytis Cinerea</i> : Molecular Mechanisms of MLR/MDR Phenotypes in Greece
2.50-3.15 PM	IL-7 Yuichi Matsuzaki - SDHI Resistance of <i>Puccinia Horiana</i> , Chrysanthemum White Rust
3.15-3.40 PM	IL-8 Steven Gutteridge - Target Sites and Modes of Action of Rimisoxafen
3.40-4.00 PM	DISCUSSION
4.00-4.25 PM	TEA
4.25-6.30 PM	POSTERSESSION
Time	SESSION 27 (15 minutes)
	Chairpersons: Andreas Mehl and Golda Fernandez
4.00-4.15 PM	OP-1 Yoshinobu Jin - Monitoring of PPO-Inhibiting Herbicide Resistant <i>Amaranthus</i> Species in the United States
4.15-4.30 PM	OP-2 Shinichi Banba - The Target Site of the Novel Fungicide Quinofumelin, <i>Pyricularia oryzae</i> Class II Dihydroorotate Dehydrogenase

4.30-4.45 PM	OP-3 Andy Corran - Inhibition of Dihydroorotate Dehydrogenase for Disease Control
4.45-5.00 PM	OP-4 Rajna S - Effect of Triflumezopyrim on Biology and Detoxifying Enzyme Levels in Brown Planthopper, <i>Nilaparvata lugens</i>
5.00-5.15 PM	OP-5 Jaydeep Halder - Fipronil: Bioefficacy against Sucking Pest Complex and Residue Dynamics in Green Chilli (<i>Capsicum annum</i> Linn.)
5.15-5.30 PM	OP-6 Tushar K Dutta - CRISPR-Cas9-Based Genome Editing in Plants for Improving Nematode Resistance
5.30-5.45 PM	DISCUSSION
6.15-8.00 PM	SOCIALEVENT
8.00 PM	BANQUET DINNER

Hall D (Theme 4)

Advances in Analytical Technologies, Informatics, and Nanotechnologies

Time	SESSION 17 (25 minutes)
	Chairpersons: K. Banerjee and Chris Hatzenbeler
11.40-12.05 PM	IL-4 Mary E McNally - Anti-Counterfeiting Solutions via Analytical Methods
12.05-12.30 PM	IL-5 Supradip Saha - Greener Analytical Approaches for the Extraction and Analysis of Nutraceuticals
12.30-1.00 PM	DISCUSSION
1.00-2.00 PM	LUNCH & POSTER SESSION 02 (Themes 1, 2 and 5)
Time	SESSION 23 (25 minutes)
	Chairpersons: Mary Ellen McNally and Mark Christopher Ott
2.00-2.25 PM	IL-6 Sara C. Cunha - A Novel Green Sample Preparation for Multi-Pesticides Determination in Soya
2.25-2.50 PM	IL-7 Santanu Mukherjee - Rapid and Nondestructive On-site Assay of Pesticide Residues by Raman Spectroscopy
2.50-4.00 PM	DISCUSSION
4.00-4.25 PM	TEA
4.25-6.30 PM	POSTERSESSION

Time	SESSION 28 (15 minutes)
	Chairpersons: Sara Cunha and Kaushik Banerjee
4.00-4.15 PM	OP-7 Arnab R Chowdhury - Development of Antimicrobial Natural Gum Based Silver Nano-Composite Films for Their Use as Active Food Packaging
4.15-4.30 PM	OP-8 Ranjana Maurya - Separation, Purification and Characterization of Impurities in a Fungicide, Hexaconazole Technical Using Preparative HPLC
4.30-4.45 PM	OP-
4.45-5.00 PM	OP-9 Niladri S Chatterjee - Authentication of Seafood by Rapid Evaporative Ionization Mass Spectrometry and LC-HRMS Based Lipidomics
5.00-5.15 PM	OP-10 Chandra S Kushwaha - Electrochemical Detection of Trace Pesticide Residues Over Cupric Oxide Encapsulated Cellulose Grafted Polyaniline Electrode
5.15-5.30 PM	OP-11 Shubham Yadav - Development and Single Laboratory Validation of Ultra-Fast Liquid Chromatography Method for Quantification of Buprofezin content in Suspension Concentrate (SC) Formulation
5.30-5.45 PM	OP-12 Ajin S Anil - Method Development and Validation for Gas Chromatographic Determination of Difenconazole Content in Commercially Available Formulations
5.45-6.00 PM	OP-13 Sapna Johnson - Enantioselectivity of Chiral Pesticides in the Environmental Risk and Food Safety
6.00-6.15 PM	DISCUSSION
6.15-8.00 PM	SOCIALEVENT
8.00 PM	BANQUET DINNER

Hall E (Theme 5)

Ecological and Human Safety Assessment of Products: Chemical, Biological and Biotechnology

Time	SESSION 18 (25 minutes)
	Chairpersons: Laura McConnell and SC Dubey
11.40-12.05 PM	IL-4 Sabine Martin - Global database for a new hand-held agricultural operator exposure model to improve operator safety in low and middle income countries

12.05-12.30 PM	IL-5 Mark Best - Improving Pesticide Handler Safety by Integrating Risk Assessment, Regulations and Stewardship
12.30–12.55 PM	IL-6 Maxie Kohler - Operator Safety-Assessing Operator Exposure during Drone Application of Pesticides
12.55-1.20 PM	IL-7 Philip Fisher - Dermal Absorption: A Discussion of Default Values, In -vitro Study Conduct, and Data Interpretation
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 02 (Themes 1, 2 and 5)
Time	SESSION 24 (25 minutes)
	Chairpersons: HM Venkatesh and Madhuban Gopal
2.00-2.25 PM	IL-8 Christian Kuster - A User-Friendly Operator Safety Assessment Tool to Facilitate the Application of a Risk-Based Approach for Pesticide Evaluation in Developing Countries
2.25-2.50 PM	IL-9 Anugrah Shaw - Dermal Protection for Pesticide Risk Mitigation: Operator Exposure Studies as the Basis for Partial and Whole Body Garments for High Exposure Scenarios
2.50-3.15 PM	IL-10 Jens Peter Lampe Venoe - Plant Protection Product Operator Safety in Developing Countries – How Bayer ensures a Globally Consistent Baseline for Product Safety
3.15-3.40 PM	IL-11 Totan Adak - Pesticide residue dynamics in rice ecosystem
3.40-4.00 PM	DISCUSSION
4.00-4.25 PM	TEA
4.25-6.30 PM	POSTERSESSION
Time	SESSION 29 (15 minutes)
	Chairpersons: Vandana Tripathy and Praful Bhamare
4.00-4.15 PM	OP-6 Vinothkumar Bojan - Occupational Exposure of Fipronil SSC Sprayed through UAV (drone) in Rice Ecosystem
4.15-4.30 PM	OP-7 Ambily Paul - Residue Dynamics of Fluoxapiprolin, Fluopicolide and their Metabolites in Tomato Fruits and Soil
4.30-4.45 PM	OP-8 Priscila M Fagundes - Asia Pacific Agronomical Characterization Scenario for Rice
4.45-5.00 PM	OP-9 Sophie van d Kamp - Increasing Confidence in Waiving Dermal Toxicity Studies: A Comparison of Oral and Dermal Acute Data with Alternative Approaches for Agrochemicals and Products

5.00-5.15 PM	OP-10 Samarendra Singh - Evaluating Microbial Degradation of Polychlorinated Biphenyls (PCBs) in Sterilized Soil by using Native Bacteria and Their Consortium Isolated from the Transformer Polluted Sites
5.15-5.30 PM	OP-11 Niranjan Kumar - Textile and Fashion Industry Wastewater Menace and its Management
5.30-5.45 PM	OP-12 Anup Kumar - Effects of <i>Parthenium</i> and <i>Lantana</i> Biochar on Fate of Imazethapyr in Sandy Loam Soil
5.45-6.00 PM	OP-13 Vikas Kumar - Method Development and the Monitoring of Multi-Residue Analysis of Pesticides in Gangetic Fish through GC-MS/MS
6.00-6.15 PM	DISCUSSION
6.15-8.00 PM	SOCIALEVENT
8.00 PM	BANQUET DINNER

Hall G (Theme 7)

Regulatory Landscape, Policy, Trade, Science Communication and Engagement

Time	SESSION 19 (25 minutes) Chairpersons: Thomas Lyall and Subhash Chander
11.40-12.05 PM	IL-4 Caroline Harris - International Frameworks and Systems for Deriving Maximum Residue Limits (MRLs) and Import Tolerances
12.05-12.30 PM	IL-5 Githaiga Wagata - Transition from Hazard to Risk Based Assessment for Pesticide Registration in Kenya: Use of the FAO Toolkit for the review of Pesticide Application
12.30-12.55 PM	IL-6 Matt Lantz - How Pesticide Maximum Residue Levels Are Affecting Global Agriculture Trade
12.55-1.20 PM	IL-7 Sangeeta Dawar - Genome Editing: Regulatory Approaches <i>vis-a-vis</i> Sustainable Agri-Food Systems
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 02 (Themes 1, 2 and 5)
Time	SESSION 25 (25 minutes) Chairpersons: Caroline Harris and Matthew Lantz
2.00-2.25 PM	IL-8 Vandana Tripathy - Implementation of Pesticide Residue Monitoring Programme: Need, Outcomes and Challenges

2.25-2.50 PM	IL-9 K.K. Sharma - Risk Assessment of Pesticide Residues for Consumer Safety
2.50-3.15 PM	IL-10 Barakat S. Mahmoud - Advocating Science and Risk-Based Pesticide Maximum Residue Limits (MRLs) to Ensure Consumer Protection, Boost Trade, and Enhance Food Security
3.15-3.40 PM	IL-11 PK Chakrabarty - Significance of water quality (pH) for effectiveness of pesticides used as spray
3.40-4.00 PM	DISCUSSION
4.00-4.25 PM	TEA
4.25-6.30 PM	POSTER SESSION
Time	SESSION 30 (15 minutes)
	Chairpersons: Craig Dunlop and Caroline Harris
4.00-4.15 PM	OP-7 Michael Leader - The Socioeconomics of Glyphosate Herbicide Use
4.15-4.30 PM	OP-8 Renjini V R - Effect of Pesticide Residues in Agricultural Export from India to European Union
4.30-4.45 PM	OP-9 Jitendra Sharma - Creating a Sustainable Agricultural System through Blockchain Technology
4.45-5.00 PM	OP-10 Khushbu Sharma - Simultaneous Analysis of >400 Multi-Class Pesticides in Honey by the GC/LC and Tandem Mass Spectrometry
5.00-5.15 PM	OP-11 Praveen K V - The Indian Fertilizer Regulatory Landscape and its Effect on Fertilizer Use
5.15-5.30 PM	DISCUSSION
6.15-8.00 PM	SOCIAL EVENT
8.00 PM	BANQUET DINNER

March 16th 2023

Time	Plenary Lectures
	SESSION 31 Chairpersons: Major Singh and IM Mishra
9.30 – 10.15 AM	PL-5 Anna Gore - Addressing the Market Failure for Specialty Crops: The Work of the Minor Use Foundation
10.15 – 11.00 AM	PL-6 Ana Paula da Silva Dias - Achieving Sustainable Crop Protection with Digitally Integrated Solutions
11.00 – 11.20 AM	DISCUSSION
11.20 – 11.40 AM	TEA

Hall A (Theme 1)

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

Time	SESSION 32 (25 minutes) Chairpersons: Peter Maeinfisch and Jagadish Pabba
11.40-12.05 PM	IL-21 Moumita Kar - Novel Triazolones as Nematicides
12.05-12.30 PM	IL-22 Mukul Lal - Green and Sustainable Chemistry: Green Chemistry Principles Applications in Agrochemical Research
12.30-12.55 PM	IL-23 Saad A. Khan - Sustainable Material Platforms for Targeted Delivery of Actives
12.55-1.20 PM	IL-24 Jiagao Cheng - Binding mode based discovery of β -ketonitrile derivatives as potential SDHI
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 03 (Themes 1 and 6)
Time	SESSION 37 (25 minutes) Chairpersons: David Barber and Sebastian Rendler
2.00-2.25 PM	IL-25 Mark-Christoph Ott - Agritech Consortium - a collaborative framework for industry and academic partners
2.25-2.50 PM	IL-26 Sandeep Thakur - New Biodegradable Dispersants for Agrochemical Formulations
2.50-3.15 PM	IL-27 Rajesh Kumar - Design and Discovery of New Agrochemical Leads to be utilized for Development of New Crop Protection Products for Sustainable Pest Management in Agriculture

3.15-3.40 PM	IL-28 Rupesh Kariyat - Novel and Sustainable Pest Management Strategies Using Polyphenols and Biochar against Generalist and Specialist Insect Herbivores
3.40-4.00 PM	DISCUSSION
4.00-4.15 PM	TEA
Time	SESSION 42 (15 minutes) Chairpersons: Karsten Koerber and Sunil Mandal
4.15-4.30 PM	OP-1 Sunderraman Sambasivan - Insecticidal Acylsulfonamides
4.30-4.45 PM	OP-2 Nusrat Iqbal - Improving Bio-Efficacy of Imidacloprid in Nanosuspension Formulation: A New Gate Way for Safe Pesticide Delivery
4.45-5.00 PM	OP-3 S. Krishnamoorthy - Tetraniliprole + Spirotetramat – A Novel Combination Product for Sustainable Crop Protection
5.00-5.15 PM	OP-4 Pratap. Divekar - Evaluation of Chlorantraniliprole for Management of Pod Borer, <i>Maruca vitrata</i> and its Residue Dissipation in Vegetable Cowpea
5.15-5.30 PM	OP-5 Neeraj Patanjali - Slow Release Gel Formulation for the Management of Fruit Fly (<i>Bactrocera dorsalis</i>)
5.30-5.45 PM	OP-6 Priya Murali Nair - Effectiveness of Silicone Antifoams in Powdered Form for Optimization of Raw Materials in Agrochemical Solutions
5.45-6.00 PM	OP-7 Ayyasamy Regupathy - Bio-Efficacy of Ethiprole 10.7 % + Pymetrozine 40 % WG against Green Leafhoppers (<i>Nephotettix virescens</i> , Distant) in Rice
6.00-6.15 PM	OP-8 Parshant Kaushik - Synthesis and Evaluation of Pyrazolyl Chromones against <i>Sclerotium rolfsii</i>
6.15-6.30 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall B (Theme 2)

Biopesticides and Biocontrol agents

Time	SESSION 33 (15 minutes) Chairpersons: Jerome Cassayre and Pankaj
11.40-11.55 AM	OP-1 Raja J - Volatiles Produced by <i>Bacillus subtilis</i> AUB1 against <i>Alternaria solani</i> in Tomato

11.55-12.10 PM	OP-02 Deepak Jain - Assessment of Pheromone Traps for Eco Friendly Management of Fruit Fly under FLD in Bitter Gourd –A Success Story
12.10-12.25 PM	OP-03 Bharat H G - Nematicidal Potential of <i>Flemingia procumbens</i> against Root-Knot Nematode, <i>Meloidogyne incognita</i>
12.25-12.40 PM	OP-04 Aditi Kundu - Chitosan Nanoemulsion of Bioactive Essential Oils for the Control of <i>Aspergillus flavus</i>
12.40-1.00 PM	DISCUSSION
1.00-2.00 PM	LUNCH & POSTER SESSION 03 (Themes 1 and 6)
Time	SESSION 38 (15 minutes)
	Chairpersons: Jerome Cassayre and Debjani Dey
2.00-2.15 PM	OP-05 Guru-Prasanna-Pandi - Water Pepper, <i>Persicaria hydropiper</i> (L.) Relative Toxicity against Brown Planthopper
2.15-2.30 PM	OP-06 Suresh Nebapure - Virus-Induced Cotton Plant Volatiles and Its Impact on Behavior of the Whitefly <i>Bemisia tabaci</i>
2.30-2.45 PM	OP-07 Sonu Kumar - Altitude-Related Changes in the Phytochemical Profile of <i>Zingiber roseum</i> (Roxb.) Roscoe Rhizome Extracts and Their Nematicidal Activity against <i>Meloidogyne incognita</i>
2.45-3.00 PM	OP-08 K Shankarganesh - Semiochemical Mediated Host Selection in Cotton Stem Weevil, <i>Pemphirulus affinis</i> (Curculionidae: Coleoptera)
3.00-3.15 PM	OP-09 Dharani Priya - Nanoemulsion of <i>Sargassum wightii</i> Extracts in Combination with Azadirachtin and β -asarone against <i>Spodoptera frugiperda</i> (J.E. Smith) (Noctuidae: Lepidoptera)
3.15-3.30 PM	OP-10 Anita Chaudhary - Biopreservation of Cherry Tomato Crop with Cell Free Supernatant of <i>L. fermentum</i>
3.30-3.45 PM	DISCUSSION
3.45-4.00 PM	TEA
Time	SESSION 43 (15 minutes)
	Chairpersons: Jerome Cassayre and Olivier Loiseleur
3.45-4.00 PM	OP-11 L.K. Thakur - Environmental Friendly Formulation from <i>Plectranthus ternifolius</i> Plant Extract and their Quality Parameters
4.00-4.15 PM	OP-12 Rekha Balodi - Characterization of Multiple Stress Tolerant <i>Trichoderma asperallum</i> from the Tomato Rhizosphere

4.15-4.30 PM	OP-13 Lakshman Prasad - Valuation of Native Isolates of <i>Trichoderma</i> Species and Their Crude Metabolites for Biological Activities on <i>Brassica juncea</i> as Plant Growth Promotor as well as Antagonist against <i>Sclerotinia sclerotiorum</i>
4.30-4.45 PM	OP-14 Kajal Chakraborty - Seaweed as a treasure house of high value nutraceutical product
4.45-5.00 PM	OP-15 Anoop Kumar - Large-Scale Validation of IPM in Basmati Rice in Farmers' Participatory Mode at Rohtak, Haryana
5.00-5.15 PM	OP-16 A K Goswami - Label-Free Quantitative Proteomics Reveals Stress-Associated Active Proteins (Saaps) and Pathways Involved in Modulating Tolerance of Papaya Under Low Temperature Stress
5.15-5.45 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall C (Theme 3)

Mode of Action and Development and Management of Resistance

Time	SESSION 34 (25 minutes) Chairpersons: Andreas Mehl and Bodo Peters
11.40-12.05 PM	IL-9 Kazuhiko Matsuda - Decoding Target Site Actions of Neonicotinoids
12.05-12.30 PM	IL-10 Andrew Crossthwaite - Biochemical and Electrophysiological Studies of Insecticidal Alkylsulfones Reveal a Novel Protein Target for Insect Control
12.30-12.55 PM	IL-11 Ralf Nauen - Characterization, Impact and Spread of Diamide Insecticide Resistance in Lepidopteran Pests with Special Reference to Ryanodine Receptor Alterations
12.55-1.20 PM	IL-12 Andreas Mehl - Multiple Resistance of <i>Plasmopara viticola</i> - An increasing Threat for Resistance Management in Times of Limited Chemical Options
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 03 (Themes 1 and 6)
Time	SESSION 39 (25 minutes) Chairpersons: K. Matsuda and Shinya Nishimura
2.00-2.25 PM	IL-13 Pankaj - Management of Nematodes: Moving Ahead from Lab to Land

2.25-2.50 PM	IL-14 Anthony Flemming - TYMIRIUM® Technology: The Mechanism of Action of Cyclobutrifluram in Nematodes
2.50-3.15 PM	IL-15 Naoya Sugimoto - QTL Mapping using Microsatellite Linkage Reveals Target-Site Mutations associated with High Levels of Resistance against Three Mitochondrial Complex II inhibitors in <i>Tetranychus urticae</i>
3.15-3.40 PM	IL-16 S Subramanian - Insecticide Resistance in Cotton Mealybug <i>Phenacoccus solenopsis</i> Impacts its Endoparasitoid, <i>Aenasius arizonensis</i>
3.40-4.00 PM	IL-17 Sagar Kaushik - Role of different Modes of Action in sustainable management of pest resistance strategies
4.00-4.15 PM	DISCUSSION & TEA
Time	SESSION 44 (15 minutes)
	Chairpersons: Ralf Nauen and K. Matsuda
4.00-4.15 PM	OP-7 Timmanna - Comparative Toxicity of Insecticides Against Fall Armyworm, <i>Spodoptera frugiperda</i> (J.E. Smith)
4.15-4.30 PM	OP-8 Mahesh Kulye - Managing Invasive Insect Pests through Implementation of Effective Resistance Management Strategy in Asia
4.30-4.45 PM	OP-9 Yoshito Tanaka - The Biological Activity of a Novel Pyrethroid Insecticide Momfluorothrin
4.45-5.00 PM	OP-10 Hiroshi Okamoto - Practical Efficacy of Natural Pyrethrins against Mosquitoes
5.00-5.15 PM	OP-11 Juliane Zago Garofalo - SURFOM® Cs 8152 – Solution for Glufosinate Combinations
5.15-5.30 PM	DISCUSSION
7.00-8.00 PM	SOCIAL EVENT
8.00 PM	DINNER

Hall E (Theme 5)

Ecological and Human Safety Assessment of Products: Chemical, Biological and Biotechnology

Time	SESSION 35 (25 minutes)
	Chairpersons: Sean Gehen and VT Gajbhiye
11.40-12.05 PM	IL-12 Tharacad Ramanarayanan - To Achieve Regulatory Approval for a New Pesticide using Predictive Risk Assessments without the Use of Animal Testing

12.05-12.30 PM	IL-13 Daniel Urbisch - Weight of Evidence Approach to Evaluate the Potential of Active Ingredients for Endocrine Disruption
12.30-12.55 PM	IL-14 Peter Maienfisch - Challenges and Risks Associated with Impurity Profiles in Technical Grade Crop Protection Products Produced Semi-Synthetically from Natural Products
12.55-1.10 PM	DISCUSSION
1.10-2.00 PM	LUNCH & POSTER SESSION 03 (Themes 1 and 6)
Time	SESSION 40 (25 minutes)
	Chairpersons: Laura McConnell and Suman Gupta
2.00-2.25 PM	IL-15 Shu Chun Peng - Transcriptional Profiling to Forecast the Toxicity of Agrochemicals
2.25-2.50 PM	IL-16 Haytham Shbaita - Assessing Human Carcinogenicity Risk without the Rodent Cancer Bioassay
2.50-3.15 PM	IL-17 Kengo Sakurai - Prediction of Human Exposure to Agrochemicals by A PBPK Modeling Technique using Chimeric Mice with Humanized Liver
3.15-3.40 PM	DISCUSSION
3.40-4.00 PM	TEA
Time	SESSION 45 (15 minutes)
	Chairpersons: Shbaita Haytham and Irani Mukherjee
4.00-4.15 PM	OP-14 Namrata Laskar - Magnetic Molecularly Imprinted Polymers (MMIPs) for Selective Recognition of Clothianidin from Different Food Matrices
4.15-4.30 PM	OP-15 Sudeep Mishra - Evaluation of Pesticide Residues in Vegetables, Soil and Water samples of Rohtak, Karnal, Hisar and Panipat Districts of Haryana, India
4.30-4.45 PM	OP-16 Sujun Majumder - Persistence and Safety Evaluation of Chlorantraniliprole in Brinjal Fruit and Soil
4.45-5.00 PM	OP-17 Shannon N Sangma - Synthesis of 3,5-Diaryl-Phenyl Pyrazoles and Their use as Potent Nitrification Inhibitors in Soil under <i>in-vitro</i> Conditions
5.00-5.15 PM	OP-18 Ahammed Shabeer TP - Non-Target Effect of Imidacloprid Residues on Grape and Wine Metabolome and Identification of Potential Biomarker Metabolites of Imidacloprid in Grape

5.15-5.30 PM	OP-19 Bharat Rana - Microbial Contamination of Drinking Water in Delhi NCR Region
5.30-5.45 PM	OP-20 Akanksha Aggarwal - Dissipation Kinetics of Novel Acaricide Tebufenpyrad in Different Types of Soil and Water
5.45-6.00 PM	OP-21 Kesar Tandekar - Dietary Risk Assessment of Six Commonly used Acaricides for Control of Mites in Tea
6.00-6.30 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

Hall F (Theme 6)

Digital and Precision Agriculture for Sustainable Agriculture and its Stewardship

Time	SESSION 36 (25 minutes)
	Chairpersons: Abdul M. Mouazen and Jitendra Kumar
11.40-12.05 PM	IL-1 Indra Mani - Drone – A Revolutionary Technology for Agriculture
12.05-12.30 PM	IL-2 Joanna Davies - Drones, Robots and Digital Tools: Are they the Future of Agriculture?
12.30-12.55 PM	IL-3 Stephanie Giessler Geiss - The Important Role of Adjuvants to Overcome Application Challenges in Agricultural UAV Spraying
12.55-1.20 PM	IL-4 Steve Li - Spray Drone Evaluations for Row Crops in United States
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH & POSTER SESSION 03 (Themes 1 and 6)
Time	SESSION 41 (25 minutes)
	Chairpersons: Sarah Hovinga and Godshen Robert Pallipparambil
2.00-2.25 PM	IL-5 Shimat V. Joseph - Transovarial Activity: A Less Explored Mechanism of Insect Growth Regulators for Pest Management
2.25-2.50 PM	IL-6 Subhash Chander - Simulation of Crop-Pest Interactions for Effective Pest Management
2.50-3.15 PM	IL-7 Mukesh Sehgal - Review on the Development of Integrated Pest Management and its Integration in Present day Agriculture

3.15-3.40 PM	IL-8 Karandeep Singh - Digital Labels – Paving the Way Towards Sustainable and Digital Farming
3.40-4.00 PM	DISCUSSION
4.00-4.15 PM	TEA
Time	SESSION 46 (15 minutes)
	Chairpersons: Ashim Dutta and Danesha Carley
4.00-4.15 PM	OP-1 Malcolm A. Faers - Empowering Next Generation UAS/ VLV SC Formulation Design through Colloid Science
4.15-4.30 PM	OP-2 Joe Louis - Monocot Crop Defense Responses to a Cereal Aphid Pest
4.30-4.45 PM	OP-3 Anirban Dutta - Chitosan-Casein Complex Coacervated Formulation for Triggered Release of Anthocyanins
4.45-5.00 PM	OP-4 Sikha Deka - Impact of Integrated Pest Management Information Dissemination on Assam Lemon Growers of Torajan Village, Tinsukia of Assam
5.00-5.15 PM	OP-5 Sunanda Biswas - Effect of Tillage, Residue and Weed Management Options on Stability of Soil Organic Carbon in Conservation Agriculture-based Maize-Wheat-Mungbean System in IGP
5.15-5.30 PM	OP-6 Nasmeen Hakim - Soil Physiochemical and Soil Enzyme Activities as Biological Indicators of Soil Health Invaded by <i>Cirsium arvense</i> (L.) Scop. in the Trans-Himalayan Region of Ladakh
5.30-5.45 PM	OP-7 Mark Beach - Arbuscular Mycorrhizal Fungi Technology: Carbon Sequestration Through Soil Health
5.45-6.00 PM	DISCUSSION
7.00-8.00 PM	SOCIALEVENT
8.00 PM	DINNER

March 17th 2023

	Plenary Lectures
Time	SESSION 47
	Chairpersons: A K Singh and Karsten Koerber
9.30-10.15 AM	PL-7 Mayank Singhal - Enhancing Collaboration Quotient in Crop Protection Research and Education– Mutli-Disciplinary Cross-Learning
10.15-11.00 AM	PL-8 Lakshmi Balagopal - Sustainable Innovation for New Product Development in Agriculture
11.00-11.20 AM	DISCUSSION
11.20-11.40 AM	TEA

Hall A (Theme 1)

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

Time	Session 48 (15 minutes)
	Chairpersons: Peter Maienfisch and Ravisekhara Reddy
11.40-11.55 AM	OP-9 Sebastian Rendler - PLINAZOLIN® Technology: Research and Development of Innovative Products in India Inspired by Growers
11.55-12.10 PM	OP-10 Yasumichi Onozaki - Discovery of a Novel Insecticide Flupyrimin
12.10-12.25 PM	OP-11 Saptashi De - Discovery of Novel Diaminopyrimidines as Selective Herbicides
12.25-12.40 PM	OP-13 Dinesh Yadav - Pesticidal Evaluation of Synthesized Ferrocenyl Chalcones against Sclerotium rolfsii and Root-Knot Nematode in Tomato
12.40-12.55 PM	OP-14 G. de Almeida - Sustainable Amphoteric Adjuvant as Uptake Enhancer for Herbicides
12.55-1.10 PM	DISCUSSION
1.10-2.00 PM	LUNCH
Time	Session 52 (15 minutes)
	Chairpersons: Peter Maienfisch and Ravisekhara Reddy
2.00-2.15 PM	OP-15 Vishal Somvanshi - The Rice Root-Knot Nematode <i>Meloidogyne graminicola</i> Proteins important for Plant-Pathogenesis as Molecular Targets for its Management

2.15-2.30 PM	OP-16 Tahira Pirzada - Plant Biomass Hybrids for Enhanced Food Security in Sub-Saharan Africa
2.30-2.45 PM	OP-17 Smriti Kala - Nano-Micelles Loaded with Resin from Pinaceae Family Exhibit Insecticidal Activity against Agricultural Pest and Mosquito Vector
2.45-3.00 PM	OP-18 R. S. Jat - Management of Orobanche through Innovative Herbicide Formulations in Indian Mustard
3.00-3.15 PM	DISCUSSION
3.15-3.45 PM	TEA

Hall B (Theme 2)

Biopesticides and Biocontrol agents

Time	Session 49 (15 minutes) Chairpersons: Jerome Cassayre and Amit Vasavada
11.40-11.55 AM	OP-17 Deependra Singh Yadav - Successful Biological Control of New Grapevine Stem Borer, <i>Dervishiya Cadambae</i> with Entomogenous Fungus, <i>Metarhizium Brunneum</i>
11.55-12.10 PM	OP-18 Indra Kumar Kasi - Native Strain Composition and Molecular Identification of Nematodes and Mutualistic Bacteria against Fall Armyworm <i>Spodoptera frugiperda</i> (Lepidoptera, Noctuidae): New Insights from North Himalayas, India
12.10-12.25 PM	OP-19 Kanchhi Maya Waiba - Potential Biocontrol of Native Strains (HR1, HR2) of Entomopathogenic Nematodes, against South American Tomato Leafminer (TLM), <i>Tuta absoluta</i> (Meyrick) (Lepidoptera, Gelechiidae)
12.25-12.40 PM	OP-20 Somnath K Holkar - Characterization and <i>In-Vitro</i> Efficacy of Bacterial Endophytes isolated from Grapevine Leaves for Management of Anthracnose Disease
12.40-12.55 PM	OP-21 Abhishek Gowda - Chemical Composition and Nematicidal Activity of Essential Oil and Piperitenone Oxide of <i>Mentha longifolia</i> L. against <i>Meloidogyne incognita</i> infesting Tomato
12.55-1.10 PM	DISCUSSION
1.10-2.00 PM	LUNCH
Time	Session 53 (15 minutes) Chairpersons: Jerome Cassayre and Parshant Kaushik
2.00-2.15 PM	OP-22 Aashaq H Bhat - Potential of <i>Oscheius tipulae</i> Nematodes as Biological Control Agents against <i>Ceratitis capitata</i>

2.15-2.30 PM	OP-23 Bishnu Maya Bashyal - Utilization of Fungal Biocontrol Agents against Rice Sheath Blight Disease Provides Insight into Their Role in Plant Defense Responses
2.30-2.45 PM	OP-24 M. K. Khokhar - Development and Validation of an Integrated Pest Management Strategy in Maize against the Invasive Fall Armyworm <i>Spodoptera frugiperda</i> (J.E. Smith) in India
2.45-3.00 PM	OP-25 Amrita Das - Profiling of Bioactive Secondary Metabolites of Antagonist <i>Aureobasidium pullulans</i> KG-1 against <i>Colletotrichum musae</i>
3.00-3.15 PM	OP-26 Rashmi - Insect/Pest Management of Poplar Defoliator (<i>Clostera cupreata</i>) through Biological Means
3.15-3.30 PM	DISCUSSION
3.30-3.45 PM	TEA

Hall E (Theme 5)

Ecological and Human Safety Assessment of Products: Chemical, Biological and Biotechnology

Time	Session 50 (25 minutes) Chairpersons: Sean Gehen and Supradip Saha
11.40-12.05 AM	IL-18 Ramdas Kanissery - How Far is Too Far? Monitoring Herbicide Movement in Soil for Improving Efficacy and Crop Safety in Horticulture Production
12.05-12.30 PM	IL-19 Subir K Nag - Occurrence, Spatial Distribution and Risk Assessment of Pesticides in Water, Sediment and Biota of river Teesta, India
12.30-12.55 PM	IL-20 Tirthankar Banerjee - Saga of Difficultly Analyzable Pesticides in Indian Food and Environment
12.55-1.20 PM	IL-21 Dhruba Jyoti Sarkar - Microplastic Pollution in Indian Freshwater Resources: Environmental and Human Health Concern
1.20-1.30 PM	DISCUSSION
1.30-2.00 PM	LUNCH
Time	Session 54 (15 minutes) Chairpersons: AK Dikshit and Neethu Narayanan
2.00-2.15 PM	OP-22 Ankita Verma - Effectiveness of Common Household Reagents for Decontamination of Pesticides in Green Chilli and Okra

2.15-2.30 PM	OP-23 Ruchi Gupta - Monitoring and Risk Assessment of Pesticide Residues in Grapes
2.30-2.45 PM	OP-24 Chuleui Jung - Effect of Pollinator Habitat on the Pollinators, Pollination and Apple Production: Multifunctionality Analysis
2.45-3.00 PM	OP-25 M F Ansari - Shellac as Bioplastic: An Alternative to Plastic Lamination for Paper Packaging
3.00-3.15 PM	OP-26 Rajbir Yadav - Sustainable Management of Empty Pesticide Containers using Triple Rinsing Approach
3.15-3.30 PM	DISCUSSION
3.30-3.45 PM	TEA

Hall F (Theme 6)

Digital and Precision Agriculture for Sustainable Agriculture and its Stewardship

Time	Session 51 (25 minutes)
	Chairpersons: Abdul M. Mouazen and Mukesh Sehgal
11.40-12.05 AM	IL-9 Godshen Pallipparambil - Tracking Non-Native Pests and Predicting their Introduction
12.05-12.30 PM	IL-10 Guillaume Berthon - Digital Chemical Synthesis at Syngenta
12.30-12.55 PM	IL-11 Anna Katharina Pueschel - Beyond the FAO Code of Conduct: Enhancing Operator Safety through Designated Stewardship Projects
12.55-1.10 PM	DISCUSSION
1.10-2.00 PM	LUNCH
Time	Session 55 (15 minutes)
	Chairpersons: Sarah Hovinga and Anirban Dutta
2.00-2.15 PM	OP-8 Jane Tang - Evaluation of Mechanistic Model Simulation of Field Study Spray Drift from Unmanned Aerial System
2.15-2.30 PM	OP-9 Muhammad Baraa Almoujahed - Deoxynivalenol Classification in Wheat Kernels using Vis-NIR and Mid-Infrared Spectroscopy
2.30-2.45 PM	OP-10 Priya Saini - Assessment of Changes in Structural Characteristics of Humic Acid Using Spectroscopic Techniques

2.45-3.00 PM	OP-11 K V Raghvendra - Integrated Pest Management (IPM) Strategy for Striped Flea Beetle, <i>Phyllotreta striolata</i> (Fabricius) Management in Radish (<i>Raphanus sativus</i> L.)
3.00-3.15 PM	OP-12 P Snehalatha - Recombinase Polymerase Amplification Assay for the Sensitive, Accurate and Rapid Detection of <i>Meloidogyne graminicola</i>
3.15-3.30 PM	OP-13 Orly E Apolo Apolo - Modelling and Mapping of Fusarium Head Blight (FHB) in Wheat using Hyperspectral Data under Field Conditions
3.30-3.45 PM	OP-14 Suby SB - Assessment of Insect Damage in Maize by Optical Sensing
3.45-4.00 PM	OP-15 Sarah Hovinga - Industry Response to Pesticide Regulators "State of the Knowledge" Review of Unmanned Aerial Vehicle (UAV) Use for Pesticide Application: Overview of the Unmanned Aerial Pesticide Application System Task Force (UAPASTF)
4.00-4.15 PM	DISCUSSION
SESSION 56	VALEDICTORY FUNCTION (5.30 ONWARDS) CHIEF GUEST - HIMANSHU PATHAK

