



Agri-Inputs for Sustainable Agriculture and Climate (AISAC-2025)

November 12 – 14, 2025

The Energy and Resources Institute (TERI), TERI Gram, Gurugram, Haryana



Conference and Workshop Agenda

Day 1 (November 12, 2025, Wednesday): International Conference on Nano for Agri 2025

Time (IST/hrs)	Event Details
08:45 to 09:30	Registration and Networking
09:30 to 10:00	Inauguration (Minister from Fertilizer and Chemical Ministry/ Agriculture Ministry/MoEFCC/ Department Secretary / DG(ICAR)/ DG-TERI)
10:00 to 10:30	10:00 – 10:10: Welcome address by Dr. Vibha Dhawan, Director General, TERI 10:10 – 10:30: Addresses by the Guests of Honor Inaugural address: Smt. Anupriya Patel, Minister of State, Ministry of Chemicals and Fertilisers, Govt. of India (TBC) Introductory address: Shri Franklin L Khobung, Joint Secretary (NRM/RFS), Dept. of Agriculture and Farmers Welfare, Govt. of India (TBC) Orientation Speech: Dr. Mangi Lal Jat, Secretary (DARE) & DG (ICAR), Ministry of Agriculture and Farmers Welfare, Govt. of India (TBC) on “The Need for Nanofertilizers” Commencement address: Shri Tanmay Kumar, Secretary (EF&CC), Ministry of Environment, Forest and Climate Change, Govt. of India (TBC) Opening Remarks: Mr. Abhay Baijal, Managing Director, Chambal Fertilisers and Chemicals Limited 15 Years of TERI-Deakin Collaboration: Ms. Ravneet Pawha, Vice President (Global Engagement) and CEO (South Asia), Deakin University, Office of the Deputy Vice Chancellor, Partnerships Vote of Thanks: Dr. Pushplata Singh, Director, Sustainable Agriculture Programme, TERI
10:30 to 11:00	High Tea

Session 1: New Frontiers of Research on Nano-agrochemicals for Sustainable Agriculture

Time	Tentative Title	Speaker
11:00 to 11:25	Keynote Address: Engineered nanomaterials for agriculture: risk assessment and safe strategies	Prof. Melanie Kah Associate Professor University of Auckland
11:25 to 11:45	Invited Talk: Innovations in mitigating GHG emissions from agriculture using recent innovations	Dr. Marta Andrea Alfaro Senior Scientist, AgResearch
11:45 to 12:10	Keynote Address: Advancements and challenges in adapting sustainable agricultural practices	Dr. Amit Rastogi Executive Vice President – Technology, Coromandel International Limited

12:10 to 12:30	Invited Talk: Nano fertilizers in India and Beyond	Dr. Tarunendu Singh (TBC) Chief Agriculture Officer IFFCO
12:30 to 12:50	Invited talk: Research and policy gaps in nano for agriculture	Dr. Jason C. White Director, The Connecticut Agricultural Experiment Station, Clinical Professor of Epidemiology; Yale School of Public Health, Adjunct Faculty; University of Massachusetts Amherst Commissioned Official; US Food and Drug Administration (FDA)
12:50 to 14:00	Lunch	
14:00 to 15:15	Parallel programs (i) Platform talks by Ph. D. students / young Researcher (<35 years) (ii) Poster session for Ph. D. students / young Researcher (<35 years)	
Session 2: Panel Discussion leading to White Paper - Products and Regulation in advancing nanotechnology for crop-protection		
14:30 to 15:45	Chair: Mr Ashish K Srivastava , Vice President – Sales & Marketing, Chambal Fertilisers and Chemicals Limited Panel members : Ms. Maninder Kaur Dwivedi (TBC) Additional Secretary (INM, RKVY, Marketing), Department of Agriculture and Farmers Welfare Dr. Alok Kumar Srivastava Director General, National Test House Dr. K K Singh Head of Agri Services and R&D, Zuari Agro Chemicals Limited Dr. Anand Gole Associate Vice President, Coromandel International Limited Mr. Siddhartha Doshi Director, Ray Nano Science and Research Centre Dr. Pushplata Singh Director, Sustainable Agriculture Programme, TERI Mr. Birinder Singh (TBC) Director (Corporate Services), IFFCO	
Session 3: - Integrated progress and dissemination of agricultural nanotechnology among masses		
15:45 to 17:00	Chair: Mr. Tapan Kumar Sahoo (TBC) Deputy General Manager, Department of Climate Action and Sustainability, National Bank for Agriculture and Rural Development (NABARD) Panel members : Mr. Andrew Goodland Lead Agricultural Specialist India and Afghanistan, World Bank Dr. Sanjay Singh Rathore Head – Division of Agronomy, ICAR-Indian Agricultural Research Institute, New Delhi	

	Mr. Yogesh Chandra Parmar Deputy Manager (Lab), IFFCO Dr. Amit Kumar Sharma Principal Scientist & Nodal Officer (Seed), ICAR - Indian Institute of Wheat & Barley Research, Haryana Dr. Sandeep Kumar Lal Principal Scientist, ICAR -Indian Agricultural Research Institute, New Delhi Dr. Palash Kumar Manna Fellow, Centre for Nano Research, TERI
17:00 to 17: 20	Tea/Coffee
17:20 to 17:30	Concluding remarks Dr. Vibha Dhawan, Director General, TERI
17:30 to 17: 35	Vote of Thanks: Dr. Palash Kumar Manna, Fellow, Sustainable Agriculture Programme, TERI
18:30 to 20:30	Networking and Conference Dinner (by Invitation)

Speakers are subject to change.

Day 2 (November 13, 2025, Thursday): Biological solutions for sustainable agriculture: Biofertilizers, Biostimulants and Biopesticides

09:00 to 09:30	Registration and Networking	
09:30 to 09:45	Inaugural Talk: Sustainability and Environment	Prof. Mathew Clarks Deputy Vice-Chancellor, Research and Innovation, Deakin University
Session 4: Microbial Consortia and Their Role in Soil Health and Plant Growth		
Time	Tentative Title	Speakers
09:45 to 10:00	Keynote Address: AMF-Mediated Nitrogen and Phosphorus Cycling	Dr. Jan Jansa (TBC) Research Scientist, Institute of Microbiology, Czech Academy of Sciences, Prague, Czech Republic
10:00 to 10:15	Invited Talk: Arbuscular Mycorrhizal Fungi: Drivers of Soil Carbon Sequestration and Biomass Assessment via Signature Lipid Biomarkers	Dr. Mahaveer P Sharma Principal Scientist, Indian Council of Agricultural Research Indore, Madhya Pradesh
10:15 to 10:30	Invited Talk: Microbiome analysis: Agricultural biologicals	Dr. Prasun Ray Agriculture Biologicals Advocate, Soil Health Stewardship, Bayer, Chesterfield, Missouri, United States
10:30 to 10:45	Invited Talk: Microbiome-based next generation biostimulants for agricultural sustainability	Prof. Shilpi Sharma Professor, IIT Delhi
Session 5. Biostimulants from Natural Sources: Mechanisms and Applications		
Time	Tentative Title	Speakers
10:45 to 11:00	Keynote Address: Macroalgal biostimulant	Dr A K Saxena (TBC) Advisor, Central Biostimulant Committee (CBC), Ministry of Agriculture & Farmers Welfare, Government of India
11:00 to 11:15	Invited Talk: Biostimulants and biofertilizers, Advanced bio formulation and surfactant technologies	Prof. Balasubramanian Paramasivan Associate Professor, National Institute of Technology, Rourkela
11:15 to 11:30	Invited Talk: Biostimulant: Lab to Land Journey through Regulations	Dr. Sawan Kumar Deputy Director, Regulatory Affairs and Quality Assurance, Sea6 Energy Private Limited
11:30 to 11:45	Invited Talk: Green Bioeconomy	Dr. Rajasekaran Samykan Founder & Chief Executive Officer, Algaven Phyto-Biotech Innovation Private Limited
11:45 to 11:55	Tea Break	
Session 6: Panel Discussion - Advancing Biofertilizers and Biostimulants: Insights into Research and Policy		
11:55 to 12:55	Chair: Dr. Gagnesh Sharma Director, National Centre for Organic and Natural Farming (NCONF) Panel Members: Dr. K. R. K. Reddy Managing Director, Sri BioAesthetics Pvt.Ltd Mr. Ashish K Srivastava	

*TBC:- To be confirmed

	Vice President - Sales & Marketing, Chambal Fertilisers and Chemicals Limited Dr. Raghavan Sampathkumar Executive Director, Federation of Seed Industry of India (FSII), New Delhi Dr. Mandira Kochar Senior Fellow, Agricultural Biotechnology, TERI Mr. Sahil Malik (TBC) Founder & Owner, Kisan Agrovet, Gujarat	
12:55 to 13:40	Lunch	
13:40 to 14:30	Parallel programs (i) Platform talks by Ph. D. students / young Researcher (<35 years) (ii) Poster session for Ph. D. students / young Researcher (<35 years)	
Session 7: Panel Discussion on Biopesticides – Scope and Challenges		
Time	Scope of biopesticides and Key challenges	
13:55 to 14:55	Chair: Dr. J P Singh (TBC) Plant Protection Advisor, Directorate of Plant Protection Quarantine and Storage, Faridabad Panel Members: Dr. Poonam Jasrotia ADG(PP), ICAR Krishi Bhawan, New Delhi Mr. Praveen Chauhan General Manager - CPC & SN, Strategy and Sales (Emerging Markets) Chambal Fertilisers and Chemicals Limited Mr. Raju Kapoor Director- Corporate Affairs, FMC India Pvt. Ltd. Dr. Ankur Garg Associate Vice President and Head of R&D, Coromandel International Limited Dr. Pratibha Sharma Professor, ICAR-Indian Agricultural Research Institute (IARI) Dr. Alka Pandey Fellow, Centre for Nanotechnnnology Research, TERI	
14:55-15:15	Tea Break	
Session 8: Recent Developments and Future Directions in Biopesticide Technologies		
Time	Tentative Title	Speakers
15:15 to 15:30	Keynote Address: Plant-bacteria cooperation and biocontrol agents	Dr. Claire-Prigent Combaret (TBC) Head leader of the Rhizosphere team University of Lyon, France
15:30 to 15:45	Keynote Address: Biopesticides and challenges	Prof. Dennis Obonyo Ndolo (TBC) Group Leader – Biopesticides, International Centre for Genetic Engineering and Biotechnology, South Africa

15:45 to 16:00	Invited Talk: Harnessing microbial proteins and peptides for sustainable agriculture	Dr. Gopal Jee Jha Staff Scientist V Plant Microbe Interactions Lab
16:00 to 16:15	Invited Talk: Biosensor for the detection and management of major plant diseases	Dr. Sunny Dhir Associate Professor Maharishi Markandeshwar University
15:00 to 16:00	Parallel Session: Discussion with Industries on Biochemicals for Agriculture: The challenges and solutions	
16:15 to 16:30	Summary and the way forward for - Nanofertilizers, Nanopesticides, Biofertilizers, Biostimulants and Biopesticides Dr. Pushplata Singh , Director, Sustainable Agriculture Programme, TERI	
16:30 to 16:45	Prize distribution (platform talks and posters) Mr. Deepak Kumar , Director, Sustainable Agriculture Programme, TERI and Dr. Pushplata Singh , Director, Sustainable Agriculture Programme, TERI	
16:45 to 17:00	Vote of Thanks Dr. Mayurika Goel , Fellow, Sustainable Agriculture Programme, TERI	

Speakers are subject to change

Day 3 (November 14, 2025, Friday): Workshop and Hands-on-training on Mycorrhizal Biofertilizers, Nanofertilizers and Plant Tissue culture Technology

9:30 to 10:00	Registration and networking	
9:45 to 10:00	Tea/Coffee	
Session 9: Lectures and Trainings		
Time	Title	Speaker
10:00 to 10:45	Lecture: Quality Assessment of Mycorrhizal Biofertilizers	Dr. Leena Johny, Fellow & Dr. Mandira Kochar, Senior Fellow --- Sustainable Agriculture Programme TERI
10:45 to 11:30	Lecture: Quality Assessment of Nanofertilizers	Dr. Pushplata Singh, Director & Dr. Palash Kumar Manna, Fellow --- Sustainable Agriculture Programme TERI
11:30 to 13:00	Training: Quality Assessment of Nanofertilizers as per FCO	Dr. Natasha Yadav & Dr. Sunaina Kaul --- Sustainable Agriculture Programme TERI
13:00 to 14:00	Lunch	
14:00 to 16:00	Training: Quality Assessment of Mycorrhizal Biofertilizers as per FCO	Dr. Leena Johny, Fellow & Dr. Mandira Kochar, Senior Fellow --- Sustainable Agriculture Programme TERI
16:00 to 17:00	Lecture + Showcase: Plant Tissue culture technology and Integrated approach with Mycorrhizal biofertilizers and Nanofertilizers	Dr. Sanjay Saxena, Senior Advisor, TERI & Dr. Shyam Sundar Sharma, Fellow Sustainable Agriculture Programme TERI
17:00 to 17:15	Tea/Coffee	
17:15 to 17:25	Certificate Distribution Dr. Pushplata Singh, Director, Sustainable Agriculture Programme, TERI and Mr. Deepak Kumar, Director, Sustainable Agriculture Programme, TERI	
17:25 to 17:30	Vote of Thanks – Dr. Shovon Mandal, Fellow and AC, Sustainable Agriculture Programme, TERI	