



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 10:30	Inaugural Ceremony
10:00 to 10:30	10:00 – 10:15: Welcome address: Dr. Vibha Dhawan, Director General, TERI Opening Remarks: Mr. Abhay Baijal, Managing Director, Chambal Fertilisers and Chemicals Limited 10:15 – 10:30: Addresses by the Guests of Honor Keynote address: Sardar Manjinder Singh Sirsa, Minister of Industries, Food & Supplies and Environment, Forest & Wildlife (Government of NCT of Delhi) Inaugural Speech - Enablement of Advanced Fertilizers in India: Dr. Suresh Kumar Chaudhari, Director General, The Fertiliser Association of India Introductory address: Mr. H. P. Singh, Former Law Officer, Fertilizer Law Unit, Ministry of Agriculture and Farmers' Welfare 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
11:00 to 11:15	Group Photograph at Amphitheatre, TERI RETREAT

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

Time (Each slot includes presentation followed by 2-3 minutes of Q and A)	Tentative Title	Speaker
11:15 to 11:40	Keynote Address: Application of Nanotechnology for Development of Pesticides for Sustainable Agriculture	Dr. Amit Rastogi Executive Vice President – Technology, Coromandel International Limited
11:40 to 12:05	Keynote Address: Engineered nanomaterials for agriculture: risk assessment and safe strategies	Prof. Melanie Kah Associate Professor University of Auckland, New Zealand
12:05 to 12:25	Invited Talk: Emerging Opportunities for Integration of Nano Fertilisers in Holistic Crop Production	Dr. Tarunendu Singh Chief Agriculture Officer IFFCO

12:25 to 12:45	Invited Talk: Innovations in mitigating GHG emissions from agriculture using recent innovations	Dr. Marta Andrea Alfaro Senior Scientist, Ethical Agriculture The New Zealand Bioeconomy Science Institute (BSI), New Zealand
12:45 to 13:40	Lunch	
13:40 to 14:40	Parallel programs: 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 nutrition and protection		
14:30 to 15:45	Chair: Mr Ashish K Srivastava , Vice President – Sales & Marketing, Chambal Fertilisers and Chemicals Limited Panel members : Mr. H. P. Singh Former Law Officer, Fertilizer Law Unit, Ministry 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 Farm Hub Limited Mr. Birinder Singh Director (Corporate Services), IFFCO 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, TERI	
Session 3: - Integrated progress and dissemination of technologies for sustainable agriculture amongst masses		
15:45 to 17:00	Chair: Dr. K K Singh Head of Agri Services and R&D, Zuari Farm Hub Limited Panel members : Dr. Sanjay Singh Rathore Head – Division of Agronomy, ICAR-Indian Agricultural Research Institute, New Delhi Mr. Praveen Chauhan General Manager - CPC & SN, Strategy and Sales (Emerging Markets) Chambal Fertilisers and Chemicals Limited Mr. Harshdeep Singh President & Chief Commercial Officer Paradeep Phosphate Limited Dr. Koushik Singha Roy Scientist, NBS, Shell India Market Private Limited	

	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 Mr. P. K. Singh General Manager (Nano), IFFCO Dr. Palash Kumar Manna Fellow, Sustainable Agriculture Programme, TERI
17:00 to 17:10	Nanotechnology for Agriculture: Key Takeaways Dr. K. S. Subramaniam, Scientific Advisor, Coromandel International Limited, and Former Director of Research, TNAU, Coimbatore
17:10 to 17:20	Vote of Thanks Dr. Palash Kumar Manna, Fellow, Sustainable Agriculture Programme, TERI
17:20 to 17:50	Tea/Coffee
18:30 to 20:30	Networking and Conference Dinner (by Invitation) at TERI RETREAT

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

09:00 to 09:30	Registration and Networking Tea/Coffee	
Time (Each slot includes presentation followed by 2-3 minutes of Q and A)	Tentative Title	Speaker
09:30 to 09:40	Commencement Address: Biological solutions for sustainable agriculture	Dr. Pushplata Singh Director, Sustainable Agriculture Programme, TERI
09:40 to 10:00	Invited talk: Nature Based Solutions for Sustainability in Agriculture	Dr. Nicolas Tsesmetzis Principal Scientist, NBS, Shell International Exploration and Production Inc.
10:00 to 10:20	Invited Talk: Sustainability and Environment	Prof. Matthew Clarke Deakin Distinguished Professor and Deputy Vice- Chancellor, Research and Innovation, Deakin University
Session 4: Microbial Consortia and Their Role in Soil Health and Plant Growth		
Time (Each slot includes presentation followed by 2-3 minutes of Q and A)	Tentative Title	Speakers
10:20 to 10:35	Keynote Address: 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
10:35 to 10:50	Invited Talk: Soil microbiome for agricultural sustainability	Dr. Anita Choudhary Principal Scientist ICAR-IARI, New Delhi
10:50 to 11:05	Invited Talk: Microbes as a tool for soil carbon sequestration: Opportunities and challenges for its regenerative agriculture biologics program	Dr. Prasun Ray Agriculture Biologicals Advocate, Soil Health Stewardship, Bayer, Chesterfield, Missouri, United States
11:05 to 11:20	Invited Talk: Integrating Mycorrhizal Biofertilizers into Regenerative Agriculture: Pathways to Soil Restoration and Climate Resilience	Dr. Leena Johny Fellow and Area Convenor Sustainable Agriculture Programme, TERI
Session 5. Biostimulants from Natural Sources: Mechanisms and Applications		
Time (Each slot includes presentation followed by 2-3 minutes of Q and A)	Tentative Title	Speakers
11:20 to 11:35	Keynote Address: Cyanobacteria as biostimulatory and bioprotective options for integrated nutrient management in horticulture	Dr. Radha Prasanna Head, Division of Microbiology, Indian Agricultural Research Institute, New Delhi
11:35 to 11:50	Invited Talk: Microalgal Biostimulants on Unlocking Sustainable Farming Innovations	Prof. Balasubramanian Paramasivan Associate Professor, National Institute of Technology, Rourkela

11:50 to 12:05	Invited Talk: Biostimulant: Lab to Land Journey through Regulations	Dr. Sawan Kumar Deputy Director, Regulatory Affairs and Quality Assurance, Sea6 Energy Private Limited
12:05 to 12:20	Invited Talk: Green Bioeconomy	Dr. Rajasekaran Samykan Founder & Chief Executive Officer, Algaven Phyto-Biotech Innovation Private Limited
12:20 to 12:35	Tea Break	
Session 6: Panel Discussion - Advancing Biofertilizers and Biostimulants: Insights into Research and Policy		
12:35 to 13:20	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 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, Sustainable Agriculture Programme, TERI Mr. Sahil Malik Founder & Owner, Kisan Agrovet, Gujarat	
13:20 to 14:20	Lunch	
13:50 to 14:45	(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	
14:20 to 15:15	Chair: Dr. Vandana Seth , Joint Director (Chemistry), CIB&RC Co-Chair: Mr. Praveen Chauhan General Manager - CPC & SN, Strategy and Sales (Emerging Markets) Chambal Fertilisers and Chemicals Limited Panel Members: 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, Sustainable Agriculture Programme, TERI	

Session 8: Recent Developments and Future Directions in Biopesticide Technologies

Time (Each slot includes presentation followed by 2-3 minutes of Q and A)	Tentative Title	Speakers
15:15 to 15:35	Keynote Address: Biopesticides and challenges	Dr. A John Peter Founder & Chairman cum Managing Director Varsha Bioscience and Technology India Private Limited
15:35 to 15:55	Invited Talk: Smart and Sustainable Pest Management: Pheromones, Sensors, and Nanomaterials	Dr. Deepa Bhagat Principal Scientist ICAR-National Bureau of Agricultural Insect Resources, Bengaluru
15:55 to 16:15	Invited Talk: Biopesticides: Lab to Land Journey	Dr. Vatsala Koul Associate Fellow Sustainable Agriculture Programme, TERI
16:15 to 16:25	Summary and the way forward for - Nanofertilizers, Nanopesticides, Biofertilizers, Biostimulants and Biopesticides Dr. Pushplata Singh , Director, Sustainable Agriculture Programme, TERI	
16:25 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 16:55	Vote of Thanks Dr. Palash Kumar Manna , Fellow, Sustainable Agriculture Programme, TERI	

