

## International Conference on WASTE Management-2025 (Waste Assessment, Sustainability & Technological Empowerment for Solid and Liquid Waste Management)

### SCIENTIFIC PROGRAM SCHEDULE

**DAY 1: Tuesday, NOVEMBER 11, 2025; Venue: Smt. Sharada Pai Auditorium, AB2**

**09:00-Onwards**  
**10:00-10:45**

**Registration  
Inauguration**

**10:45-11:10 High Tea, Venue: Old Food Court, 2AB**

**11:10- 11:25**      **Innovative Technology Interventions for Evolving Society Centric Sustainability Solutions**  
*Prof. Akhilendra Bhushan Gupta, Malaviya National Institute of Technology Jaipur*

**Chairs:** **Prof. Akhilendra Bhushan Gupta & Prof. Ajay Kalamdhad**

**11:25- 12:00**      **Science, Innovation and Circular Economy Pathways for Sustainable Waste and Resource Management**  
*Dr. G.V. Raghunath Reddy, Department of Science & Technology, Ministry of Science & Technology, Govt of India*

**12:00-12:35**      **From Linear to Circular: Pioneering the Next Generation of Waste Solutions**  
*Prof. Brajesh Kumar Dubey, Indian Institute of Technology Kharagpur, India*

**12:35-14:00 Lunch, Venue: LHC Building, First Floor and Poster Presentation**

**Chairs:** **Prof. Pradeep Verma & Prof. Monika Sogani**

**14:00-14:40**      **Resource Recovery from Solid Waste for Energy and Environmental Sustainability is-À-Vis Circular Bioeconomy**  
*Dr. Ashok K. Pandey, Centre for Energy and Environmental Sustainability, Lucknow, India*

**14:40-14:55**      **Transforming Millet Residues into Value-Added Products**  
*Dr. Anirudh Gupta, NIMS University Jaipur*

**14:55-15:10**      **Dual Organic Amendments Enhance Soil Fertility Through Improved Microbial And Enzymatic Processes**  
*Dr. Sonia Sethi, Dr B Lal Institute of Biotechnology, Jaipur*

**15:10-15:40**      **An Integrated Chemical and Biological Approach for Poly(ethylene terephthalate) Depolymerization and Biopolyol Production**  
*Dr. Lalit Goswami, Kyung Hee University, Yongin, Republic of Korea*

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**15:40-16:00 Tea/Coffee Break, Venue: Old Food Court, 2AB**

**Chairs:**

**Dr. Prashanth N Suravajhala & Dr. Sudipti Arora**

**16:00-16:15**

**Household Waste Generation and Disposal Patterns in Dimapur: Community-Based Strategies Toward Circular and Sustainable Waste Management**

*Ms. Rajkumari Joyshree Devi, National Institute of Technology, Nagaland*

**16:15-16:30**

**Functionalized Graphene Nanocomposite-Anchored Biopolymer Film as Smart Sensor Platform for Fluorescent and Electrical Sensing of Chlorpyrifos**

*Ms. Emee Das, Institute of Advanced Study in Science and Technology, Guwahati*

**16:30-17:00**

**Impacts of Adding Plastics and Their Degradation on the Integrated Biological Treatment of Food Waste through Anaerobic Digestion Followed by Composting**

*Dr. KC. Maturi, Gati Shakti Vishwavidyalaya, Vadodara, Gujarat*

**17:00-17:15**

**Pyrolyzed Food Waste-Derived Polymer Composite from Wood Apple Shells: A Circular Economy-Based Approach**

*Ms. Aarushi Goyal, Amity University, Noida*

**17:15:17:30**

**Evolution of India's E- Waste policy: An Overview with Global Comparison**

*Ms. Saharsha Naik, Amity University Mumbai*

**18:00-19:00 Cultural Program, Venue: Smt. Sharada Pai Auditorium, AB2**

**19:00-Dinner, Venue: LHC Building, First Floor**

**DAY 2: Wednesday, NOVEMBER 12, 2025; Venue: Smt. Sharada Pai Auditorium, AB2**

**Chairs:**

**Prof. Mousumi Debnath & Dr. KC. Maturi**

**09:30-10:10**

**Waste to Energy: A Comprehensive Study on Biogas in India**

*Prof. Ajay Kalamdhad, Indian Institute of Technology Guwahati, India*

**10:10-10:50**

**Old and New in Composting and Compost Research**

*Dr. Yael Laor, Agricultural Research Organization, Volcani Institute, Institute of Soil, Ramat Yishay, Israel*

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**10:50-11:10 Tea/Coffee Break, Venue: Old Food Court, 2AB**

**Chairs:** **Prof. Meena Kumari Sharma & Prof. Madan Mohan Sharma**

**11:10-11:50** **Microwave-Assisted Tetrahydrofuran-Water Pretreatments: Unlocking High Sugar Yields and Platform Chemicals from Agricultural Residues**  
*Dr. Pradeep Verma, Central University of Rajasthan, Kishangarh*

**11:50-12:20** **Industrial Scale Thermolysis for Waste Upcycling: Driving Circular Economy and Net-Zero Sustainability**  
*Prof. Abhishek Sharma, BITS Pilani, Goa Campus, Goa, India*

**12:20-12:50** **Transforming Sewage Sludge into Biochar for Sustainable Agriculture**  
*Dr. Rohit Jain, Manipal University Jaipur*

**12:50-14:00 Lunch, Venue: LHC Building, First Floor and Poster Session**

**Chairs:** **Prof. Abhijeet Singh & Dr. Anees Ahmed Yunus Khan**

**14:00-14:30** **Ecotechnologies and Bioprocesses for the Sustainable Development Goals: Experiences from Waste-Gas Treatment, and Resource Recovery Systems**  
*Dr. Eldon R Rene, IHE Delft Institute for Water Education, Westvest 7, 2601DA Delft, The Netherlands*

**14:30-15:00** **Pretreatment of Sludge: A Sustainable and Renewable Energy Recovery Approach**  
*Dr. Izharul Haq Farooqi, Aligarh Muslim University, Aligarh, India*

**15:00-15:30** **Solid-State Anaerobic Digestion of Agricultural Residues and Its Concurrent Treatment to Enhance Methanogenesis**  
*Dr. Vivekanand, Malaviya National Institute of Technology, Jaipur, India*

**15:30-15:45** **Optimizing Methane Yield Through Co-Digestion of Pig Dung with Food Waste and Water Hyacinth at Varying F/M Ratios and Its Kinetic Analysis**  
*Mr. Kiran Kottur, Indian Institute of Technology Guwahati, India*

**15:45-16:00 Tea/Coffee Break, Venue: Old Food Court, 2AB**

**16:00-17:00** **Panel Discussion**

**17:00-18:00** **Valedictory Function**