

29-NOV-2024	DAY 2	
8.00-8.55 AM	Breakfast and Registration	
9.00-10.30 AM	<b>Session-5: Industry Perspectives of Biomass Pyrolysis and Emerging Contaminants</b> <b>Session Chairs: R. Vinu and Sathrugnan Karthikeyan</b>	
9.00-9.15 AM	Invited 17	Chiranjeevi Thota, Bharat Petroleum Corporation Ltd. Co-Processing of Renewable and Recyclable Feedstocks in Fluid Catalytic Cracking Units
9.15-9.20 AM	Questions & Answers	
9.20-9.35 AM	Invited 18	Kalpit Shah, RMIT Melbourne Exploring the fate of PFAS in biosolids pyrolysis through pilot-plant trials
9.35-9.40 AM	Questions & Answers	
9.40-9.55 AM	Invited 19	Sanjeev Yadav, Shiv Nadar Institute of Eminence, Noida Two-phase formation in a bio-oil from pyrolysis of mixed food waste from the kitchen
9.55-10.00 AM	Questions & Answers	
10.00-10.20 AM	Academic Partner 1	Sanjeev Yadav, Shiv Nadar Institute of Eminence, Noida
10.20-10.35 AM	Academic Partner 2	Abhishek Sharma, Manipal University, Jaipur
10.35-11.00 AM	Tea and Coffee	
11.00-1.00 PM	<b>Session-6A (Parallel Session): Biochar and Applications-I</b> <b>Session Chairs: V.V. Goud and Deepak Ojha</b>	
11:00-11.15 AM	Invited 20	S.V. Srinivasan, CSIR CLRI, Chennai Pyrolysis of bulk Organic Fractions of Municipal Solid Waste (OFMSW) generated from cities
11.15-11.20 AM	Questions & Answers	
11:20-11.35 AM	Invited 21	Nanda Kishore, IIT Guwahati Preparation, Chemical Activation and Catalytic Application of Pyrolytic Biochar Derived from Delonix Regia
11.35-11.40 AM	Questions & Answers	
11.40-11.55 PM	Invited 22	Bunushree Behera, Thapar Institute of Engineering and Technology Influence of Feedstocks and Activation Methods for Sustainable Applications of Biochar: Perspectives on Energy-Water-Food Nexus
11.55-12.00 PM	Questions & Answers	
12.00-12.10 PM	Short Oral 20	Bhavya Tripathi, BITS-PILANI, PILANI CAMPUS Biochar from dried neem leaves & cotton waste: production, characterization & implementation
12.10-12.12 PM	Questions & Answers	
12.12-12.22 PM	Short Oral 21	Nimesha Rathnayake, RMIT Melbourne Optimizing Biomethane Potential and Biochar Production via Co-Digestion and Pyrolysis/Gasification of Food and Garden Organics with Activated Sludge
12.22-12.24 PM	Questions & Answers	
12.24-12.34 PM	Short Oral 22	Mariappan Mani, IIT Madras Comprehensive characterization and passivation strategies of biochar for safe storage stability
12.34-12.36 PM	Questions & Answers	
12.36-12.46 PM	Short Oral 23	Puja Priyadarshini Nayak, IIT Guwahati Optimization of pyrolysis parameters for biochar production from Kodo Millet ( <i>Paspalum scrobiculatum</i> ) husk and characterization of the product as a precursor for activated carbon synthesis

12.46-12.48 PM	<b>Questions &amp; Answers</b>	
12.48-12.58 PM	<b>Short Oral 24</b>	<b>Saurav Kandpal, MNNIT Allahabad</b> Multi-Target Prediction of Biochar Yield and HHV using ensemble of decision trees
12.58-1.00 PM	<b>Questions &amp; Answers</b>	
11.00-1.00 PM	<b>Session-6B (Parallel Session): Product Diversification from Pyrolysis of Biomass and Plastics</b> <b>Session Chairs: Hendrix Y Setyawan and K.P. Shadangi</b>	
11.00-11.15 AM	<b>Invited 23</b>	<b>Murugavelh S, VIT Vellore</b> A Circular Economy Approach to Convert Waste Cooking Oil into Value Added Products Towards a Sustainable Environment
11.15-11.20 AM	<b>Questions &amp; Answers</b>	
11.20-11.35 AM	<b>Invited 24</b>	<b>Rohidas Bhoi, MNIT Jaipur</b> Biomass Derived Pyro-oil as Bitumen Modifier in Pavement Construction
11.35-11.40 AM	<b>Questions &amp; Answers</b>	
11.40-11.55 AM	<b>Invited 25</b>	<b>Rupam Kataki, Tezpur University</b> Non-fuel applications of biowastes pyrolysis products: A Sustainable Approach to Resource Recovery for Circular Economy
11.55-12.00 PM	<b>Questions &amp; Answers</b>	
12.00-12.10 PM	<b>Short Oral 25</b>	<b>Sivasankar Kakku, Manipal Univeristy, Jaipur</b> Thermal Up-Cycling of XLPE Waste from Wire Industries via 7.5 TPD Pyrolysis Plant
12.10-12.12 PM	<b>Questions &amp; Answers</b>	
12.12-12.22 PM	<b>Short Oral 26</b>	<b>Shaikh Khizar, IIT Madras</b> Recovery Potential of Plastics and Plastic Blends Through Catalytic and Non-Catalytic Pyrolysis: A Comparative Study Using Analytical Pyrolysis Techniques
12.22-12.24 PM	<b>Questions &amp; Answers</b>	
12.24-12.34 PM	<b>Short Oral 27</b>	<b>Indra Mohan, IIT-ISM Dhanbad</b> Production of renewable liquid oil from pistachio shells and low-density polyethylene through co-pyrolysis
12.34-12.36 PM	<b>Questions &amp; Answers</b>	
12.36-12.46 PM	<b>Short Oral 28</b>	<b>Subhan Kumar Pal, IIT Madras</b> Recovery of Petrochemicals from Oxygenated Aromatic Plastic Wastes using Red Mud via Thermo-catalytic De-polymerization
12.46-12.48 PM	<b>Questions &amp; Answers</b>	
12.48-12.58 PM	<b>Invited 26</b>	<b>Sakthivadivel D, VIT Vellore</b> Performance Enhancement of a Dual Bed Vapor Adsorption Refrigeration System using Cupro-Nickel Coated Biochar as Adsorbent
12.58-1.00 PM	<b>Questions &amp; Answers</b>	
1.00-2.00 PM	<b>LUNCH</b>	
2.00-4.00 PM	<b>Session-7A (Parallel Session): Pyrolysis in Gasification, Combustion, HTL and Hydrogenation</b> <b>Session Chairs: Young-Min Kim and Nanda Kishore</b>	
2:00-2.15 PM	<b>Invited 27</b>	<b>Jaganathan VM, NIT Trichy</b> Oxy-rich combustion studies of menstrual pads using counter-current biomass packed bed reactor
2.15-2.20 PM	<b>Questions &amp; Answers</b>	
2.20-2.35 PM	<b>Invited 28</b>	<b>Mahendra Chinthala, NIT Rourkela</b> Sustainable production of commodity chemicals using biomass via Chemical Looping Combustion (CLC)
2.35-2.40 PM	<b>Questions &amp; Answers</b>	
2.40-2.55 PM	<b>Invited 29</b>	<b>Ashish N. Sawarkar, MNNIT Allahabad</b> Recent Trends and Future Perspectives on Co-gasification of Petroleum Coke and Biomass

2.55-3.00 PM	Questions & Answers	
3.00-3.10 PM	Short Oral 29	Afaq Ahmad Khan, IIT-ISM Dhanbad $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Supported Bimetallic Catalyst with Controlled Metal Stoichiometric Ratios for Turquoise Hydrogen and Carbon Nanotubes Production
3.10-3.12 PM	Questions & Answers	
3.12-3.22 PM	Short Oral 30	Anusha C. Halageri, IIT Madras Solid Carbon and Hydrogen production by Methane pyrolysis using non-thermal plasma
3.22-3.24 PM	Questions & Answers	
3.24-3.34 PM	Short Oral 31	Rui Hong Teoh, University of Nottingham, Malaysia Ethanol as a solvent for hydrothermal liquefaction of palm empty fruit bunch
3.34-3.36 PM	Questions & Answers	
3.36-3.46 PM	Short Oral 32	Pooja Singh, IIT Guwahati A comparative study of bio-oil production via two-stage and direct hydrothermal liquefaction process from microalgae grown on dairy wastewater
3.46-3.48 PM	Questions & Answers	
3.48-3.58 PM	Short Oral 33	Shanku Pratim Borah, IIT Guwahati Hydrothermal liquefaction of <i>Luffa cylindrica</i> to produce levulinic acid
3.58-4.00 PM	Questions & Answers	
2.00-4.00 PM	Session-7B (Parallel Session): Pyrolysis of Biomass, Plastic Oils & Mixtures-I Session Chairs: B. Rajashekar Reddy and N. Sivamohan Reddy	
2.00-2.15 PM	Invited 30	Sankar Chakma, IISER Bhopal Mechanistic Investigation in Co-Pyrolysis of Biomass and Waste Plastic for Liquid Fuel Production
2.15-2.20 PM	Questions & Answers	
2.20-2.35 PM	Invited 31	Krushna Prasad Shadangi, VSSUT Orissa Waste to Energy through Co-pyrolysis of Waste Lubricating oil and Waste Plastics
2.35-2.40 PM	Questions & Answers	
2.40-2.55 PM	Invited 32	Tarak Mondal, IIT Ropar Turning Waste into Wealth: Pyrolysis of Biomass and Plastics for Fuels and Chemicals
2.55-3.00 PM	Questions & Answers	
3.00-3.15 PM	Invited 33	Ejaz Ahmad, IIT-ISM Dhanbad A comprehensive strategy for the transformation of waste to wealth for circular economy and sustainable development
3.15-3.20 PM	Questions & Answers	
3.20-3.30 PM	Short Oral 34	Abhisek Sahoo, IIT Delhi Insights into Biomass Pyrolysis: Particle Devolatilization and Structural Behavior via X-Ray Imaging and High-Pressure TGA
3.30-3.32 PM	Questions & Answers	
3.32-3.42 PM	Short Oral 35	Bibari Boro, IIT Guwahati Effect of copper on kinetic parameters and pyrolysis product characterization of waste printed circuit board
3.42-3.44 PM	Questions & Answers	
3.44-3.54 PM	Short Oral 36	Nair Theertha Kunhikrishnan, Manipal University, Jaipur Bio-oil Component Separation Via Integrated Experimental and Modelling Analysis
3.54-3.56 PM	Questions & Answers	
4.00-4.45 PM	Tea and Coffee, Posters and Networking	
4.45-6.00 PM	Session-8A (Parallel Session): Pyrolysis of Biomass, Plastic Oils & Mixtures-II Session Chairs: C.S. Rao and Anjana P.A.	
4.45-5.00 PM	Invited 34	Deepak Kumar Ojha, IIT Roorkee Pyrolysis driven valorization of textile waste into value-added products

5.00-5.05 PM	<b>Questions &amp; Answers</b>	
5.05-5.20 PM	<b>Invited 35</b>	<b>Ranjeet Kumar Mishra, Manipal Institute of Technology, Manipal</b> Pyrolysis behaviours and kinetic study of non-edible waste castor seeds into renewable liquid fuel and value-added chemicals
5.20-5.25 PM	<b>Questions &amp; Answers</b>	
5.25-5.40 PM	<b>Invited 36</b>	<b>Prasenjit Mondal, IIT Roorkee</b> Sustainable utilization of waste plastics in advancing circular economy: Some studies
5.40-5.45 PM	<b>Questions &amp; Answers</b>	
5.45-5.55 PM	<b>Short Oral 37</b>	<b>Bablu Alawa, ICMR-National Institute for Research in Environmental Health, Bhopal</b> Removal of Emerging Pollutants (Ciprofloxacin antibiotics) from Wastewater Using Waste Biomass: A Kinetics, Isotherms, and Thermodynamics Study
5.55-5.57 PM	<b>Questions &amp; Answers</b>	
4.45-6.00 PM	<b>Session-8B (Parallel Session): Biochar and Applications-II</b>	
	<b>Session Chairs: Tarak Mondal and Bunushree Behera</b>	
4.45-5.00 PM	<b>Invited 37</b>	<b>Soumya Pandit, Sharada University</b> Unlocking Clean Energy with Novel Biochar-(Fe <sub>2</sub> O <sub>3</sub> ) Ferric Oxide Nanocomposite as Anode Catalyst in Microbial Fuel Cell
5.00-5.05 PM	<b>Questions &amp; Answers</b>	
5.05-5.15 PM	<b>Short Oral 38</b>	<b>Yashasvi Trivedi, Manipal University, Jaipur</b> Pyrolysis-Engineered RDF char: Enhancing Fixed Bed Column Performance
5.15-5.17 PM	<b>Questions &amp; Answers</b>	
5.17-5.27 PM	<b>Short Oral 39</b>	<b>Shushree Prachi Palai, KIIT Bhubaneswar</b> Pyrolysis of Algal Biomass for Sustainable Biochar Production: Investigating the Interplay of Processing Parameters and Material Properties
5.27-5.29 PM	<b>Questions &amp; Answers</b>	
5.29-5.39 PM	<b>Short Oral 40</b>	<b>Onkar Chowkekar, IIT Guwahati</b> Potential of Pyrolysis as an effective technique for Red category Bio-medical waste management.
5.39-5.41 PM	<b>Questions &amp; Answers</b>	
5.41-5.51 PM	<b>Short Oral 41</b>	<b>Harjeet Nath, Tripura University</b> Pyrolyzed Rubber Wood Biochar as a Soil Amendment Agent: Impact on Water Retention and Okra Yield in Smart Irrigation Systems
5.51-5.53 PM	<b>Questions &amp; Answers</b>	
6.00-6.30 PM	<b>Closure and Valedictory Session</b>	