

### Oral Presentation Schedule

| Sub ID | Date      | Time                | Individual Time    | Hall           | Name              | Title                                                                                                                                 |
|--------|-----------|---------------------|--------------------|----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 2      | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Akash Shinde      | 2, Process intensification for the continuous production of 2, 2-Dimethoxypropane using Fixed Bed Chromatographic Reactor (FBCR)      |
| 42     | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Yogesh Badgujar   | 42, Transition Metal-Loaded TiO <sub>2</sub> Catalyst for Catalytic Thermoliquefaction of Municipal Solid Waste into Carbon-Rich Oil. |
| 44     | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Nandini Ajgaonkar | 44, Catalytic Co-Liquefaction of Organic Biodegradable Fraction of Municipal Solid Waste and Sugarcane Bagasse                        |
| 47     | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Abhinav Yadav     | 47, ONE-POT UPGRADING OF POLYETHYLENE AND CO <sub>2</sub> INTO AROMATIC CHEMICALS VIA TANDEM CATALYSIS                                |
| 67     | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Achala Rana       | 67, Chemoselective Hydrogenation of Nitroarenes to Arylamines Using Manganese Nanocatalyst and Molecular Hydrogen                     |

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| 83  | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Srivatsan B          | 83, Design, Synthesis, Computational Evaluation, and Dual $\text{Cu}^{2+}/\text{Ag}^{+}$ Sensing Studies of Alkyne-Functionalized Pyrimidine–Chalcone Hybrids |
| 87  | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Himanshu Dhiman      | 87, Photocatalytic Lignin Valorization through Selective Cleavage of C–O Linkages over Ru-Supported Holey g-C <sub>3</sub> N <sub>4</sub> Nanosheets.         |
| 98  | 10-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | K.V Auditorium | Dr. Pravin G. Ingole | 98, Nanofiller-Engineered Thin-Film Nanocomposite Membranes for Liquid and Gas Separation                                                                     |
| 94  | 11-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | K.V Auditorium | Pavan More           | 94, Valorisation of waste biomass and industrial by-products for various applications                                                                         |
| 33  | 11-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | K.V Auditorium | Roushan Nigam Shaw   | 33, Investigating S–O Interactions in MoS <sub>2</sub> –MoO <sub>3</sub> on Ni-Co LDH for Bifunctional OER and HER                                            |
| 106 | 11-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | K.V Auditorium | Yashasvi Desai       | 106, A palladium bio-nanocomposite as an efficient heterogeneous catalyst for nitro reduction:a fungus mediated green and sustainable process                 |
| 110 | 11-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | K.V Auditorium | Vitthal Saptal       | 110, An Adaptive Palladium Single-Atom Catalyst Enabling Reactivity Switching between Borylation and C–C Coupling                                             |

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| 116 | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | K.V Auditorium | Harsha Dhanwani      | 116, Dry Reforming of Methane over Nickel-Based Catalysts: Mechanistic Understanding and Catalyst Design                        |
| 113 | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | K.V Auditorium | Priyanka B Shivde    | 113, CO <sub>2</sub> refinery: catalytic pathways for conversion of carbon dioxide into value added chemicals                   |
| 117 | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | K.V Auditorium | Sneha Shetty         | 117, Sustainable conversion of biomass to deoxygenated bio-oils via catalytic hydrothermal liquefaction                         |
| 49  | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | K.V Auditorium | 24BCH152 YeshaG      | 49, Photocatalytic CO <sub>2</sub> Reduction for Sustainable Fuel Synthesis: Experimental and Simulation Approaches             |
| 14  | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Dilkhush Zaroliwalla | 14, Role of biomass derived carbon in enhancing the performance of Zinc ion batteries                                           |
| 32  | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Prajwal Shambharkar  | 32, Evaluating filtration efficiency of respiratory protective equipment against pesticide aerosol in agricultural environment. |
| 59  | 11-Sep-26 | 11.00 am-01.00 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Dr.Yennam Rajesh     | 59, Sustainable Adsorbent Development: Activated Carbon from Kigelia Africana Fruit Shells for Acid Blue (AB158) Dye Removal    |

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| 85  | 11-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | Hall 1 - A 103 | Akanksha More             | 85, Enhancing Bioactive Recovery from Pigeon Pea Seed Coat: A Comparative Evaluation of ultrasound assisted and Conventional Extraction |
| 103 | 11-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | Hall 1 - A 103 | Shubham Kumar             | 103, Unveiling the pore characteristics of Indian coal for geological CO2 sequestration and natural gas recovery.                       |
|     | 11-Sep-26 | 11.00 am-01.00 pm   | 15 min + 5 min QnA | Hall 1 - A 103 | Theertha K. Nair          | Selective Recovery of Rare Earth Elements and Metal Extraction via Carbochlorination: A Review                                          |
| 71  | 11-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Pranav Login              | 71, Extraction of High-Grade Silica from Rice Husk Ash: A Sustainable Engineering Approach                                              |
| 74  | 11-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Vansh Shete               | 74, Development and Characterization of "Oraalix":A Sustainable, Anhydrous Dentifrice Tablet                                            |
| 16  | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Parul Ramdas Chafekar     | 16, Electrocatalytic performance evaluation of Nickel-iron layered double hydroxide for overall water splitting                         |
| 18  | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | SRUSHTI SANTOSH WARUNGASE | 18, Biomass Derived Electrocatalyst for Hydrogen Evolution Reaction (Hydrogen Generation)                                               |
| 38  | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Prachi Kumari             | 38, Regeneration of High-Quality NMC cathode from Spent Lithium-Ion Batteries                                                           |

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| 48 | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Suditi Chanda    | 48, Pathways to Climate Positive Fuels: Experimental and Simulative Exploration of CO2 Conversion                                                                                |
| 56 | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Hemant Khanolkar | 56, AI-Driven Environmental Toxicity Prediction Platform for Sustainable Chemical Manufacturing: A Machine Learning Approach for Early Hazard Assessment of Industrial Chemicals |
| 57 | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Manish Sau       | 57, Recoverability-Aware Industrial Operations: Quantifying Degradation Dynamics, Operational Observability, and Recovery Potential                                              |
| 66 | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Batul Alamdar    | 66, Electrochemical Pathway for CO2 conversion into Ethanol                                                                                                                      |
| 75 | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Bhawna Chauhan   | 75, Analysis of Energy Consumption and CO <sub>2</sub> Emissions in India's Petrochemical Sector                                                                                 |
| 52 | 10-Sep-26 | 02.30 pm - 04.30 pm | 15 min + 5 min QnA | Hall 1 - A 103 | Monami Khan      | 52, An Electrolytic Route to Sustainable Cotton Bleaching with In-situ Oxidant Regeneration                                                                                      |