

# 32<sup>nd</sup> ISCB INTERNATIONAL CONFERENCE (ISCB-2026)



Jointly Organized by:  
Indian Society of Chemists & Biologists (ISCB)  
Department of Chemistry, IIT (BHU), Varanasi, India

Date: 12-14 May, 2026

Venue: Department of Chemistry, IIT (BHU), Varanasi, India

E-mail: iscbconference@gmail.com | Website: www.iscbconference.com



## SCIENTIFIC PROGRAMME

Tuesday, May 12, 2026

Venue: Dev & Vardhana Goswami Lecture Hall Complex, IIT (BHU)

7:30-8.30 AM	Registration and Breakfast
8.30 AM - 9.30 AM	Inaugural Session Venue: HALL-IA
9.30 AM - 9.50 AM	High Tea

### Session - I

Venue: HALL-IA

Chairpersons: Dr PMS Chauhan and Dr Sundaram Singh

<b>PL-1</b> 9.50 PM - 10.25 PM	<b>Anamik Shah</b> President, ISCB Former Vice Chancellor, Gujarat Vidyapeeth, Ahemdabad, India Founder, National Facility for Drug Discovery Centre, Saurashtra University, Rajkot, India <b>Major API &amp; Pharma Products through Flow Chemistry Processes: An untaped potential for Academic Research</b>
<b>PL-2</b> 10.25 AM - 11.00 AM	<b>Anil K. Singh</b> Professor (Ret.), Indian Institute of Technology Bombay, Powai, Mumbai, India <b>Sustainable Approaches and Strategies for Design and Development of Platform Chemicals and Novel Molecules</b>

### Parallel Session - II A

Venue: HALL-IA

Chairperson: Dr Manisha Malviya

<b>KL-1</b> 11.00 AM - 11.25 AM	<b>Rupam Dinda</b> Professor, Department of Chemistry, National Institute of Technology, Rourkela, Odisha, India <b>Anticancer Metallodrugs: Solution Stability, Protein Interaction, and Cellular Localization</b>
<b>IL-1</b> 11.25 AM - 11.45 AM	<b>Biswadip Banerji</b> Multidisciplinary Organic Synthesis Laboratory, Chief-Scientist, HOD, Central Instrumentation Facility (CIF), Indian Institute of Chemical Biology (CSIR-IICB), Jadavpur, Kolkata, India <b>Targeting Glioma with Hybrid PARP-1 Inhibitors via DNA Damage and ROS Generation</b>
<b>IL-2</b> 11.45 AM - 12.05 PM	<b>T. Kumaraguru</b> Senior Scientist, Biocatalysis Lab, CSIR-IICT, Hyderabad, India <b>Biocatalysis at the Chemistry-Biology Interface: Enabling Sustainable Technologies</b>
<b>IL-3</b> 12.05 PM - 12.25 PM	<b>Ananthalakshmy Sundararaman</b> Scientist C and Ramalingaswami Fellow, Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Kerala, India <b>Mitochondria-derived Vesicles and Mito-nuclear Trafficking of Proteins in the Heart</b>

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<b>IL-4</b> 12:25 PM - 12.45 PM	<b>Suman K. Barman</b> Department of Chemical Sciences, Indian Institute of Science Education and Research Mohali, Punjab, India <b>Asynchronous Transition State Tuned from Remote Site for Nitrite Reduction at Copper Centre</b>
<b>IL-5</b> 12:45 PM - 01.05 PM	<b>Sanjay Kumar</b> Professor, Department of Chemistry, Birla Institute of Technology and Science, Pilani, K K Birla Goa Campus, Goa, India Drug discovery research in India: Current trends and analysis of Industry-Academia and Government collaborations
01:05 PM - 2.15 PM	<b>Lunch</b>

## Parallel Session - II B

Venue: HALL-2A

Chairperson: Dr Arindam Indra

<b>KL-2</b> 11.00 AM - 11.25 AM	<b>Nashreen S. Islam</b> Professor, Department of Chemical Sciences, Tezpur University, Tezpur, Assam, India <b>Highly Selective and Sustainable Oxidation of Biomass-Derived 5-HMF to HMFCAs over Polymer-Supported Vanadium- and Tungsten-Based Catalysts</b>
<b>IL-6</b> 11.25 AM - 11.45 AM	<b>Anjali Patel</b> Head, Chemistry Department, Associate Director, M S University of Baroda, Vadodara, Gujarat, India <b>From Monotherapy to Dual Therapy: Engineered nMCM-48 based hybrid systems for controlled delivery of antidiabetic drugs</b>
<b>IL-7</b> 11.45 AM - 12.05 PM	<b>Biswarup Chakraborty</b> Associate Professor, Department of Chemistry, Indian Institute of Technology Delhi, New Delhi, India <b>Mechanistic Insight into the Electroreduction Pathway of Nitrate to Ammonia on Metal Oxides</b>
<b>IL-8</b> 12.05 PM - 12.25 PM	<b>Ashutosh Kumar Mishra</b> Associate Professor, Department of Chemistry, Indian Institute of Technology Hyderabad, Telangana, India <b>Tuning the functional properties of flavin entity for biological applications</b>
<b>IL-9</b> 12:25 PM - 12.45 PM	<b>Sarika Singh</b> Senior Principal Scientist, Toxicology & Experimental Medicine, CSIR-Central Drug Research Institute (CDRI), Lucknow, India <b>Natural Products as Dual-Target Agents: Bridging UPR and Redox Signaling</b>
<b>IL-10</b> 12:45 PM - 01.05 PM	<b>Ashoke Sharon</b> Professor, Department of Chemistry, Dean of Faculty Affairs (DoFA), Birla Institute of Technology, Mesra, Ranchi, India <b>Drug Discovery Approaches through Structure, Computation and Chemistry: A Case Study on Anti-CoVID Molecule Development</b>
01:05 PM - 2.15 PM	<b>Lunch</b>

## Session - III : Wiley Sponsored

Venue: HALL-IA

Chairperson: Prof Anamik Shah

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PL-3 2.15 PM - 2.50 PM	<b>Abhishek Dey</b> Professor, Indian Association for the Cultivation of Science (IACS), Kolkata, India <b>Functional Modelling of Cytochrome P450</b>
PL-4 2.50 PM - 3.25 PM	<b>Dibyendu Das</b> Associate Professor, Chemistry Sciences, Indian Institute of Science Education and Research, Kolkata, India <b>Non-equilibrium self-assembly for living matter-like properties</b>
PL-5 3.25 PM - 4.00 PM	<b>Sergii RUDIUK</b> CNRS researcher (CR), Associate Professor PSL/ENS, Department of Chemistry, Ecole Normale Supérieure, PSL University, Paris, France <b>Hybridization, Compaction and Coacervation of DNA : from photocontrol to applications in bio- and nanotechnology</b>
PL-6 4.00 PM - 4.35 PM	<b>Mariana Nadirova</b> Application Technology Manager, Apeiron Synthesis, Wroclow, Poland <b>Metathesis reaction in modern industry: A technical lense on sustainable and efficient synthesis</b>
4.35 PM - 4.50 PM	<b>Tea</b>

## Session - IVA

Venue: HALL-IA

Chairpersons: Dr Asha Gupta

IL-11 4:50 PM - 5.10 PM	<b>Biswajit Mondal</b> Department of Chemistry, Indian Institute of Technology Gandhinagar, Gujarat, India <b>Cooperative Catalysis in Electrochemical Ammonia Oxidation</b>
IL-12 5.10 PM - 5.30 PM	<b>Bhupesh Goyal</b> Associate Professor, Department of Chemistry & Biochemistry, Thapar Institute of Engineering & Technology (Deemed to be University), Patiala, Punjab, India <b>Computation-Driven Rational Design of Peptides as Inhibitors of Human Islet Amyloid Polypeptide Fibrillation in Type 2 Diabetes</b>
IL-13 5.30 PM - 5.50 PM	<b>Anirban Pradhan</b> Assistant Professor, Department of Chemistry, Birla Institute of Technology (BIT) - Mesra, Ranchi, Jharkhand, India <b>Metal Free Porous Carbon Materials Based Electrocatalyst for Sustainable Hydrogen Fuel Production</b>
IL-14 5.50 PM - 6.10 PM	<b>Pratibha Kumari</b> Associate Professor, Department of Chemistry, Deshbandhu College, University of Delhi, New Delhi, India <b>Application of cellulose-based nanomaterials in the sensing of pesticides</b>
6:15 PM onwards	<b>Poster session</b>

## Parallel Session - IV B

Venue: HALL-2A

Chairpersons: Dr. V. Ramanathan

IL-15 4:50 PM - 5.10 PM	<b>Ravi Prakash Singh</b> Professor, Department of Chemistry, Indian Institute of Technology Delhi, New Delhi, India <b>Atropisomerism in the Realm of Pharmaceutically Relevant Compounds</b>
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<b>IL-16</b> 5.10 PM - 5.30 PM	<b>Ganesh Venkataraman</b> Associate Professor, Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal, India <b>Transition Metal-Catalyzed Annulation Platforms for Pharmacologically Relevant Tetralone and Chromanol Frameworks</b>
<b>IL-17</b> 5.30 PM - 5.50 PM	<b>Deepti Goyal</b> Assistant Professor, Department of Chemistry, DAV College, Chandigarh, India <b>Rational Design of Phenol-Triazole Derivatives as Modulator of A<math>\beta</math>/Cu<sup>2+</sup>-A<math>\beta</math> Aggregation and Cytotoxicity</b>
<b>IL-18</b> 5.50 PM - 6.10 PM	<b>Chandana Rath</b> Associate Dean (Faculty Affairs), School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi, India <b>Synergistic Effect of CoFe<sub>2</sub>O<sub>4</sub>-85S Nano Bio-glass Composites for Hyperthermia</b>
6.15 PM-7.30 PM	<b>RSC-sponsored poster sessions</b> <b>Poster Number P-1 to P-31</b> <b>Venue: HALL-2C</b> <b>Poster Number P-32 to P-62</b> <b>Venue: HALL-2D</b> <b>Chairpersons: Dr Moni Sharma, Dr Mrunal Ambasana</b>
<b>7.30 PM-9.00 PM</b>	<b>Conference Dinner</b>

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Wednesday, May 13, 2026

## Registration

Venue: Dev & Vardhana Goswami Lecture Hall Complex

7.30 AM-9:00 AM	Registration and Breakfast
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## Session - V

Venue: HALL-IA

Chairpersons: Dr Samya Banerjee

PL-7 9.00 AM - 9.35 AM	<b>Ganesh Pandey</b> Distinguished Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India <b>Abstract Awaited</b>
PL-8 9.35 AM - 10.10 AM	<b>Arindam Mukherjee</b> Professor, Department of Chemical Sciences, Indian Institute of Science Education and Research, Kolkata, India <b>Strategic Therapeutic Methodologies using Metal complexes: From Enzyme Modulation to High-Efficiency Phototherapy</b>
10.10 AM - 10.45 AM	<b>Session with Wiley</b>
10.45 AM - 11 AM	<b>Tea</b>

## Parallel Session - VI A

Venue: HALL-IA

Chairpersons: Dr G. P. Modi

KL-3 11.00 AM - 11.25 AM	<b>N. B. Singh</b> Department of Chemistry and Biochemistry & Department of Computer Science and Electrical Engineering, University of Maryland, Baltimore County (UMBC), Baltimore, MD, USA <b>Morphological transition in synthetic bone materials</b>
IL-19 11.25 AM - 11.45 AM	<b>Indu Bhusan Deb</b> Senior Principal Scientist, Organic & Medicinal Chemistry Division, CSIR-Indian Institute of Chemical Biology, Kolkata, West Bengal, India <b>Access to Functionalized N-Heterocycles via Electrochemical Synthesis and Annulation Reactions</b>
IL-20 11.45 AM - 12.05 AM	<b>Anuradha Gupta</b> Senior Scientific Officer, Biologics Division, Indian Pharmacopoeia Commission, Ministry of Health & Family Welfare, Govt. of India, Ghaziabad, India <b>Environmental sustainability approaches: Indian Pharmacopoeia Perspective</b>
IL-21 12.05 AM - 12.25 PM	<b>John J George</b> Head, Department of Bioinformatics, University of North Bengal, Raja Rammohunpur, District-Darjeeling, West Bengal, India <b>AI-Driven <i>Camellia sinensis</i> Inhibitors of P-Glycoprotein: From Nature to Market</b>
IL-22 12.25 PM - 12.45 PM	<b>Harish C. Upadhyay</b> Department of Applied Sciences, Rajkiya Engineering College (Affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow), Churk, Sonbhadra, India <b>Advancing Therapeutic Strategies for Microbial Resistance Through Multitargeting Hybrid Molecules</b>

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<b>IL-23</b> 12.45 PM - 1.05 PM	<b>Asha Jain</b> Professor & Former Head, Department of Chemistry, University of Rajasthan, Jaipur, India <b>Preparation and Structural Characterization of Organometallic Complexes with Potential Biological Applications</b>
1.05 PM-2: 15 PM	<b>Lunch</b>

## Parallel Session-VI B

Venue: HALL-2A

Chairperson: Prof. Dhanesh Tiwari

<b>KL-4</b> 11.00 AM - 11.25 AM	<b>Subhas Chandra Pan</b> Department of Chemistry, Indian Institute of Technology Guwahati, Assam, India <b>Importance of Chirality and Asymmetric Synthesis of Cyclic Molecules</b>
<b>IL-24</b> 11.25 AM - 11.45 AM	<b>Amit Shard</b> Associate Professor, Department of medicinal Chemistry, NIPER-Ahmedabad, India <b>Sustainable Design, Synthesis and Biological Evaluation of Novel Ferrocene Derivatives as Pyruvate Kinase M2 Modulators for Oral Cancer Therapy</b>
<b>IL-25</b> 11.45 AM - 12.05 AM	<b>Namrata Rastogi</b> Principal Scientist, Medicinal & Process Chemistry Division, CSIR-Central Drug Research Institute, Lucknow, India <b>Organophotoredox-mediated Sustainable Chemical Synthesis</b>
<b>IL-26</b> 12.05 AM - 12.25 AM	<b>Hitesh D. Patel</b> Professor & Head, Department of Chemistry, Gujarat University, Ahmedabad, Gujarat, India <b>IPR for Natural Products – Scope &amp; Boundaries</b>
<b>IL-27</b> 12.25 AM - 12.45 AM	<b>Jeyakumar Kandasamy</b> Associate Professor, Department of Chemistry, Pondicherry University, Kalapet, Pondicherry, India <b>Advancing Carbohydrate Chemistry through Aryl Diazonium-Mediated Transformations</b>
<b>IL-28</b> 12.45 PM - 1.05 PM	<b>Dinesh Kumar</b> Associate Professor, Department of Medicinal Chemistry, National Institute of Pharmaceutical Education & Research (NIPER), Ahmedabad, Gujarat, India <b>Introducing Sustainability in Allylic Cross-Animations</b>
1.05 PM-2: 15 PM	<b>Lunch</b>

## Session – VI.C

Venue: HALL-2B

Chairperson: Prof Indrajit Sinha

<b>KL-5</b> 11.00 AM - 11.25 AM	<b>Priyankar Paira</b> Associate Professor, Vellore Institute of Technology, Department of Chemistry, School of Advanced Science, Vellore, Tamilnadu, India <b>Mechanistic Sights of Organometallics in Mitochondria for Cancer Therapy</b>
<b>IL-29</b> 11.25 AM - 11.45 AM	<b>K. D. Mandal</b> Professor (HAG), Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India <b>Synthesis and Characterization of Complex Perovskite Oxides</b>

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<b>IL-30</b> 11.45 PM - 12.05 PM	<b>Rakesh Kumar Parashar</b> Professor, Department of Chemistry University of Delhi, Delhi, India <b>Design, synthesis and applications of Chemosensors for the Naked Eye Detection of metal ions, anions and amino acids</b>
<b>IL-31</b> 12.05 AM - 12.25 PM	<b>Krunalkumar Ramanlal Mehariya</b> Research and Development Chemist, Natara Global Ltd, Hartlepool, United Kingdom <b>What does 'natural' mean anyway...?</b>
<b>IL-32</b> 12.25 PM - 12.45 PM	<b>M.A. Quraishi</b> Professor, Department of Chemistry, I.I.T.(B.H.U.), Varanasi, India <b>Green Corrosion Inhibitors: A Sustainable Journey from Fundamentals to Industrial Applications</b>
<b>IL-33</b> 12.45 PM - 1.05 PM	<b>Mrunal Ambasana</b> Assistant Professor, Department of Chemistry and Forensic Science, Bhakta Kavi Narsinh Mehta University, Junagadh, India <b>Molecular Design Strategies for Selective and Sensitive Chemosensing of Ions, Environmental Pollutants, and Bioactive Compounds</b>
1.05 PM-2: 15 PM	<b>Lunch</b>

## Parallel Session – VII A

Venue: HALL-IA

Chairpersons: Dr. Rosy

<b>IL-34</b> 2.15 PM - 2.35 PM	<b>Surendra Singh</b> Professor, Department of Chemistry, University of Delhi, Delhi, India <b>Design and Synthesis of Recoverable Chiral Catalysts for Asymmetric Organic Transformations</b>
<b>IL-35</b> 2.35 PM - 2.55 PM	<b>Satpal Singh Badsara</b> Associate Professor, Department of Chemistry, Institute of Science, Banaras Hindu University (BHU), Varanasi, India <b>Electro-catalyzed Functionalization of Indolizine Frameworks</b>
<b>IL-36</b> 2.55 PM - 3.15 PM	<b>Shuvomoy Banerjee</b> Assistant Professor, School of Biotechnology and Bioengineering, Institute of Advanced Research (IAR), Gandhinagar, Gujarat, India <b>Pre-clinical evaluation of phytosterol-ionic liquid conjugated-derivatives shows enhanced anti-cancer activities in colon cancer cells</b>
<b>IL-37</b> 3.15 PM - 3.35 PM	<b>Sumit Mishra</b> Professor & Head, Department of Chemistry, Birla Institute of Technology Mesra, Ranchi, India <b>Flaxseed Mucilage based composite material as a sustainable flocculant for treatment of mining and Industrial Effluents</b>
<b>IL-38</b> 3.35 PM - 3.55 PM	<b>Pravinkumar M. Patel</b> Head & Associate Professor, Industrial Chemistry Department. V. P. & R. P. T. P. Science College, Affiliated to Sardar Patel University, Vallabh Vidyanagar, Gujarat, India <b>Formulation Innovation for Health: Triazine Dendrimers</b>
<b>IL-39</b> 3.55 PM - 4.15 PM	<b>Vikas Tyagi</b> Associate Professor, Department of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, India <b>Harnessing Electricity and Enzymes for Sustainable Organic Synthesis</b>
4.15 PM - 4.30 PM	<b>Tea</b>

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## Parallel Session – VIIB

Venue: HALL 2A

Chairperson: Dr. P. Makam

<b>IL-40</b> 2.15 PM - 2.35 PM	<b>Sudhir K Shukla</b> Scientific Officer F & Asst. Prof. Homi Bhabha National Institute, Biofouling and Biofilm Processes Section, Water and Steam Chemistry Division, BARC Facilities, Kalpakkam, India <b>DEVELOPMENT OF A MULTISPECIES BIOFILM BIOFILTER: MICROBIAL INTERACTIONS, COMMUNITY DYNAMICS, AND HEAVY-METAL REMOVAL EFFICIENCY</b>
<b>IL-41</b> 2.35 PM - 2.55 PM	<b>Ranjan C. Khunt</b> Professor, Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India <b>Tetrazole-Embedded Scaffold via Ugi Four-Component Reaction: Efficient Synthesis and Drug -Likeness Evaluation</b>
<b>IL-42</b> 2.55 PM - 3.15 PM	<b>Subhendu Naskar</b> Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India <b>Transition metal Complexes as Molecular Electrocatalysts for OER, HER and CO<sub>2</sub>RR</b>
<b>IL-43</b> 3.15 PM - 3.35 PM	<b>Roop Shikha Singh</b> Assistant Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India <b>Engineering Charge Transfer in AIE Systems: From Molecular Design to Targeted Theranostic Applications</b>
<b>IL-44</b> 3.35 PM - 3.55 PM	<b>Ved Prakash Singh</b> Professor & Head, Department of Industrial Chemistry, Mizoram University, Aizawl, Mizoram, India <b>Drug Design, Synthesis and Study of Novel Series of Bio-active analogues</b>
<b>IL-45</b> 3.55 PM - 4.15 PM	<b>Satyendra K. Pandey</b> Organic Chemistry, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India <b>Metal- and Reagent-Free Approaches for the Synthesis of Bioactive Molecules</b>
<b>4.15 PM - 4.30 PM</b>	<b>Tea</b>

## Parallel Session – VII C

Venue: HALL 2B

Chairpersons: Dr E. Saravanakumar

<b>IL-46</b> 2.15 PM - 2.35 PM	<b>Sourav Chakraborty</b> Associate Professor, Department of Chemistry, Indian Institute of Technology, Tirupati, Andhra Pradesh, India <b>Redox-active Interlocked Molecules for Energy Storage Applications</b>
<b>IL-47</b> 2.35 PM - 2.55 PM	<b>Sabbasani Rajasekhara Reddy</b> Professor, School of Advanced Sciences, Department of Chemistry, Vellore Institute of Technology (VIT), Vellore, India <b>Carbohydrates and Copper for Sustainable Catalysis, Health Care and Environment</b>

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<b>IL-48</b> 2.55 PM - 3.15 PM	<b>Debasish Mandal</b> Associate Professor, Department of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, India <b>Computational Exploration of Ligand-Directed C-H Activation in Bio-Inspired Metal-Oxo Complexes</b>
<b>IL-49</b> 3.15 PM - 3.35 PM	<b>Bichismita Sahu</b> Professor and Head, Department of Medicinal Chemistry, NIPER-Ahmedabad, Gandhinagar, Gujarat, India <b>Epigenetic modulation through nucleobase inspired scaffolds: Discovery of anti-cancer compounds targeting LSD1</b>
<b>IL-50</b> 3.35 PM - 3.55 PM	<b>Rinku Chakrabarty</b> Head, Department of Chemistry, Alipurduar University, Alipurduar, West Bengal, India <b>Rhodamine Based Cu(II) Complexes: Application as PDT Agent</b>
<b>IL-51</b> 3.55 PM - 4.15 PM	<b>Dina Nath Singh</b> Professor, K.S. Saket PG College, Dr. Ram Manohar Lohia Avadh University, Ayodhya, India <b>Current Approaches for the Search of New Bioactive Leads from Medicinal Plants</b>
<b>4.15-4.30 PM</b>	Tea

## Parallel Session – OP-1

Venue: HALL-1A

Chairperson: Prof Neelima Gupta

<b>O-1</b> 4.35 PM- 4.45 PM	<b>Pratibha Yadav</b> Center for Rural Development and Technology, IIT Delhi, Hauz Khas, New Delhi, India 110016 <b>Biosynthesis of Rutinose from Broccoli flower head pulp using F. monilliforme MTCC-2015</b>
<b>O-2</b> 4.45 PM - 4.55 PM	<b>Prakriti Sharda</b> Department of Biotechnology, Thapar Institute of Engineering Technology, Patiala-147001, Punjab, India <b>Sensitive electrochemical detection of ciprofloxacin using a GO/LDH composite-modified screen-printed electrodes</b>
<b>O-3</b> 4.55 PM - 5.05 PM	<b>Vishal Agarwal</b> Department of Chemistry and Biochemistry, The University of Arizona, USA <b>Expanding Optochemical Ligation Chemistry through Cation-Cation Photosensitization</b>
<b>O-4</b> 5.05 PM - 5.15 PM	<b>Shikha Pandey</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh -221005, India <b>Visible-Light-Mediated S-C Bond Cleavage for the Synthesis of Amides</b>
<b>O-5</b> 5.15 PM - 5.25 PM	<b>Nidhi Sikri</b> Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, India <b>Horseradish Peroxidase immobilized GO-SWCNT Hybrid Biocatalytic Platform for Efficient Degradation of Bisphenol A</b>
<b>O-6</b> 5.25 PM - 5.35 PM	<b>Harshita Pandey</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, India

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	<b>Visible-light-driven photocatalytic esterification of thioesters involving radical pathway via sigma bond cleavage</b>
<b>O-7</b> 5.35 PM - 5.45 PM	<b>Priya Mahaur</b> Department of Chemistry, IIT BHU, Varanasi, Uttar Pradesh, India <b>Synthesis of Imidazo[1,2-a]pyridine via Sustainable Photocatalytic C(sp)<sup>3</sup>-H Functionalization of Ethylarenes and Their Luminescence Investigations</b>
<b>O-8</b> 5.45 PM - 5.55 PM	<b>Amod Kumar</b> Chemical & Material Sciences Division, CSIR-Indian Institute of Petroleum, Haridwar Road, Mohkampur, Dehradun, India <b>Synthesis of cyclic carbonates from CO<sub>2</sub> and epoxides under ambient conditions</b>

## Parallel Session – OP-2

Venue: HALL-2A

Chairperson: Dr Gurpreet Singh Minhas

<b>O-9</b> 4.35 - 4.45 PM	<b>Priyadarshini R</b> Department of Life Sciences, School of Natural Sciences, Shiv Nadar Institution of Eminence, Delhi NCR, Greater Noida 201314, India <b>Small organic metabolites produced by <i>Lactobacillus rhamnosus</i> with anti-biofilm properties against <i>Streptococcus mutans</i> biofilms</b>
<b>O-10</b> 4.45 PM - 4.55 PM	<b>Parikh Kaushik</b> Department of Biotechnology, Thapar Institute of Engineering & Technology, Patila-147001, Punjab, India <b>Development of Sodium Alginate-Based Microcapsules for Controlled Release of Coenzyme Q<sub>10</sub></b>
<b>O-11</b> 4.55 PM - 5.05 PM	<b>Rashmi D</b> Department of Biochemistry, JSS Medical College, JSS Academy of Higher Education & Research, Mysore, India <b>IN VITRO ANTI-INFLAMMATORY AND ANTI-CANCER ACTIVITY OF FERMENTED FRUIT EXTRACT IN LIPOPOLYSACCHARIDE-STIMULATED RAW 264.7 MACROPHAGES AND CaCO<sub>2</sub> CELLS</b>
<b>O-12</b> 5.05 PM - 5.15 PM	<b>Yogita Rani</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, U.P. India <b>Polarity-Tunable Curcumin-Derived Carbon Quantum Dots for Multifunctional Liposomal Theranostics</b>
<b>O-13</b> 5.15 PM - 5.25 PM	<b>Ram Pratap Pandey</b> Department of Medicinal Chemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi-221005, India <b>Lewis Acid-Controlled Divergent Transformations of Glycols: Stereoselective Access to Fused Pyran Frameworks, C-Glycosides, and Glycoconjugates</b>
<b>O-14</b> 5.25 PM - 5.35 PM	<b>G.K. Mohan Krishna</b> Division of Biochemistry, School of Life Sciences, Mysuru, JSS Academy of Higher Education & Research, Mysuru 570 015, Karnataka, India <b>Sustainable Synthesis of Silver nanoparticles (AgNPs) using <i>Kanchanara guggulu</i> extract: Antioxidant, and Cytotoxic Potential</b>
<b>O-15</b> 5.35 PM - 5.45 PM	<b>Samanmitha S</b>

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Date: 12-14 May, 2026

Venue: Department of Chemistry, IIT (BHU), Varanasi, India

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	Centre of Excellence in Molecular Biology and Regenerative Medicine (CEMR), Department of Biochemistry, JSS Medical College, JSS Academy of Higher Education and research, Mysuru -570015, Karnataka, India <b>Quercetin induces BMAL1 and targets METTL3/m<sup>6</sup>A-SND1-Mediated Epitranscriptomic novel Axis to Attenuate Hepatocellular Carcinoma under Circadian Disruption</b>
<b>O-16</b> 5.45 PM - 5.55 PM	<b>Sandeep Chovatiya</b> Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India <b>Cytotoxic and Genotoxic Effects of Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>) Nanoparticles on Human Haematocytes: An In Vitro Study</b>

## Parallel Session – OP-3

Venue: HALL-2B

Chairperson: Dr Mohan Prasad

<b>O-17</b> 4.35 - 4.45 PM	<b>Anjisha Maharshi</b> Department of Microbiology, Faculty of Science, Marwadi University, Rajkot-Morbi Road, Rajkot 360 003 Gujarat, India <b>Bioprospecting of Endophytic Aspergillus niger Associated with Withania somnifera for Pharmacologically Active Metabolites</b>
<b>O-18</b> 4.45 PM - 4.55 PM	<b>Tanima Debnath Sarkar</b> Department of Zoology of Annamalai University, Tamil Nadu, India <b>Green Biologics and Mechanistic Toxicology: Advancing Sustainable Pharmaceutical Development</b>
<b>O-19</b> 4.55 PM - 5.05 PM	<b>Vinay Kumar Pandey</b> Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India <b>Design, Synthesis and Antiviral Activity of Pyrazole-linked Fused Curcumin Glycoconjugates against Influenza A Virus (H3N2)</b>
<b>O-20</b> 5.05 PM - 5.15 PM	<b>Yashika Mehta</b> Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala-147001, Punjab, India <b>Microalgal consortia-derived biogenic fluorescent carbon dots exhibiting multispectral emission</b>
<b>O-21</b> 5.15 PM - 5.25 PM	<b>Chaitanya H.S</b> Department of Zoology, Vijayanagara Sri Krishnadevaraya University, Ballari, Inida <b>Evaluation of single and combined effects of Dimethyl phthalate and Bis (2-ethyl hexyl) phthalate on Reproductive and Neural health in Sprague Dawley rats</b>
<b>O-22</b> 5.25 PM - 5.35 PM	<b>Koushik Barman</b> Kolkata, India <b>Beyond Bulk Measurements: Decoding Nanoscale Electrocatalysis with Scanning Electrochemical Microscopy</b>
<b>O-23</b> 5.35 PM - 5.45 PM	Centre of Excellence in Molecular Biology and Regenerative Medicine (CEMR), Department of Biochemistry, JSS Medical College, JSS Academy of Higher Education and research, Mysuru -570015, Karnataka, India <b>Unravelling the Novel Mechanism of Anti-Tumor Role of Sodium Butyrate: SND1-mediated Telomerase and miR-155 Pathway Suppression in HCC</b>

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## Parallel Session – OP-4

Venue: HALL-2C

Chairperson: Dr Keshav Deo

<b>O-24</b> 4.35 PM - 4.45 PM	<b>Shweta Srivastava</b> Lucknow, India <b>Fostering Environmental Responsibility at secondary school level through NCERT Chemistry Kits</b>
<b>O-25</b> 4.45 PM - 4.55 PM	<b>Ranjana Das</b> Department of Pharmaceutical Engineering and Technology, Indian Institute of Technology, (BHU) Varanasi, India <b>An integrative approach combining computational simulation and spectroscopic analysis elucidates the stability of L-asparaginase on the nanocomposite surface</b>
<b>O-26</b> 4.55 PM - 5.05 PM	<b>Akanksha Singh</b> Biofuel Research Laboratory, School of Biochemical Engineering, Indian Institute of Technology (BHU), Varanasi, India <b>DESIGN OF A BATCH BIOREACTOR UTILIZING A DEVELOPED MICROBIAL-NANOCOMPOSITE BEAD SYSTEM FOR SCALE-UP OF HEAVY METAL REMEDIATION PROCESS FROM AQUEOUS SYSTEMS</b>
<b>O-27</b> 5.05 PM - 5.15 PM	<b>Smriti Dogra</b> Department of Chemistry, Dr B. R. Ambedkar National Institute of Technology, Jalandhar-144008 (Punjab), India <b>Ultrasensitive Electrochemical Sensor for Nitroaromatics Using C<sub>3</sub>N<sub>4</sub>-MoS<sub>2</sub>-Au Nanocomposite with Pendimethalin as a Real Sample</b>
<b>O-28</b> 5.15 PM - 5.25 PM	<b>Pooja Kumari</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh – 221005, India <b>Visible-light-initiated N-arylation of hydrazones with diazonium tetrafluoroborate via EDA complex formation</b>
<b>O-29</b> 5.25 PM - 5.35 PM	<b>Aswathi C Narayanan</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India <b>Synthesis of cinnamic esters and acids via palladium-catalyzed reactions of aryl diazonium salts and their biological evaluation</b>
<b>O-30</b> 5.35 PM - 5.45 PM	<b>Khushi Malaybhai Mehta</b> Department of Microbiology, Faculty of Science, Marwadi University, Rajkot-Morbi Road, Rajkot 360 003 Gujarat, India <b>Bioprospecting of <i>Endophytic Aspergillus niger</i> Associated with <i>Withania somnifera</i> for Pharmacologically Active Metabolites</b>
<b>O-31</b> 5.45 PM - 5.55 PM	<b>Pratikshya Das Pattanayak</b> Department of Chemistry, NIT Rourkela, Rourkela, India <b>V<sup>IV</sup>-TSC-based Metallo drugs: Solution Chemistry, Cytotoxicity, and Cellular Internalization</b>

## Poster Session – II (Wiley-sponsored)

Venue:

Chairpersons: Dr Vikas Tyagi, Dr Rinku Chakrabarty

6.15 PM – 7.30 PM	<b>Poster Number P-63-P95 (Wiley-sponsored) (Room no. 2D)</b> <b>P-95 to P-126 (Thieme-sponsored) (Room no. 2E)</b>
<b>8.00 PM</b>	<b>Dinner</b>

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Thursday, May 14, 2026

## Parallel Session – VIII A (IDAPT sponsored)

Venue: HALL IA

Chairpersons: Prof. Sanjay Kumar

<b>IL-52</b> 9.00 AM - 9.20 AM	<b>Ashim K. Mukherjee</b> Retired Professor, Department of Chemistry, Indian Institute of Technology, Banaras Hindu University, Varanasi, India <b>Abstract Awaited</b>
<b>IL-53</b> 9.20 AM - 9.40 AM	<b>Tharamani C.N.</b> Professor and Former Head, Department of Chemistry, Indian Institute of Technology Ropar, Rupnagar, Punjab, India <b>Designing greener energy conversion system for a sustainable future</b>
<b>IL-54</b> 9.40 AM - 10.00 AM	<b>Devdutt Chaturvedi</b> Head, Department of Chemistry, Mahatma Gandhi Central University, Motihari (East Champaran), Bihar, India <b>Versatility of heteroallenes: An easy access for the syntheses of biologically potent scaffolds</b>
<b>IL-55</b> 10.00 AM - 10.20 AM	<b>Meenakshi Singh</b> Assistant Professor, Department of Medicinal Chemistry Institute of Medical Sciences, Banaras Hindu University (BHU), Varanasi, India <b>Replisome-Targeted Antimicrobials: Harnessing Indole Chemistry to Combat Drug Resistance</b>
<b>IL-56</b> 10.20 AM - 10.40 AM	<b>Chandan Singh</b> Assistant Professor, Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, India <b>Intricate Interaction of Microbiome and its Reflection in Metabolome of ALS patients by NMR</b>

## Parallel Session – VIII B (IKS sponsored)

Venue: HALL 2A

Chairpersons: Prof. Ashoke Sharon

<b>IL-57</b> 9.00 AM - 9.20 AM	<b>V. Ramanathan</b> Associate Professor, Chemistry, IIT (BHU)
<b>IL-58</b> 9.20 AM - 9.40 AM	<b>Ram Sagar Misra</b> Professor of Chemistry, School of Physical Sciences, Jawaharlal Nehru University (JNU), New Delhi, India <b>Efficient Synthesis of 2-Deoxy Sugars: A Route to Substituted Chiral Quinoline-based Glycohybrids and Indole-C-glycosides</b>
<b>IL-59</b> 9.40 AM - 10.00 AM	<b>Chandan Upadhyay</b> Professor and Coordinator of the School of Materials Science, IIT BHU, Varanasi, India <b>Abstract Awaited</b>
<b>IL-60</b> 10.00 AM - 10.20 AM	<b>Neeraj Kumar Mishra</b> Associate Professor, Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow, India <b>Late-Stage C-H Activation-Functionalization of Heterocyclic Drug Candidates: An Annulative Pathway</b>

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<b>IL-61</b> 10.20 AM - 10.40 AM	<b>Mayank K. Pandya</b> School of Science, Dr. Subhash University, Junagadh, Gujarat, India <b>A Fast, Sensitive, and Validated Analytical Method for Quantitation of Imidacloprid Pesticide Residual in <i>Mangifera indica</i> Matrix by LC-Tandem Mass Spectrometry (LC-ESI-MS/MS)</b>
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## Parallel Session – OP-5

Venue: HALL 1A

Chairpersons: Prof Shailesh Rajanikant Shah

<b>O-32</b> 10.20 AM – 10.30 AM	<b>Varshini Manjunath</b> Centre of Excellence in Molecular Biology and Regenerative Medicine (CEMR) laboratory, (a DST-FIST Sponsored Centre) Department of Biochemistry (a DST-FIST Sponsored department), JSS Medical College, JSS Academy of Higher Education & Research (JSS AHER), Mysuru – 570015, Karnataka, India <b>Targeting Breast Cancer Progression with Taurine: Inhibition of Proliferation, Metastasis, EMT, and RISC-Mediated Regulatory Pathways</b>
<b>O-33</b> 10.30 AM – 10.40 AM	<b>Madhusmita Mishra</b> Department of Biotechnology and Medical Engineering, National Institute of Technology (NIT), Sector-1, Rourkela, Odisha, India <b>Investigating the Emerging Neurotoxic Potential of Acetonitrile-d3 in a Zebrafish Model: Implications for Human Mental Health</b>
<b>O-34</b> 10.40 AM – 10.50 AM	<b>Harshitha Marla</b> Biotechnology Division, Department of Life Sciences, School of Science, GITAM (Deemed to be University), Visakhapatnam- 530045, Andhra Pradesh, India <b>EXPLORING MARINE DERIVED FUNGI FROM THE VISAKHAPATNAM COAST: AN ECO-FRIENDLY APPROACH TO MICROPLASTICS DEGRADATION</b>
<b>O-35</b> 10.50 AM – 11.00 AM	<b>Srikrishna Kedlaya Herga</b> Department of Public Health Genomics, Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal, Karnataka, India <b>Streptococcal Surfaceome-Host Interactions Drive Adhesion, Invasion, and Divergent Inflammatory-Apoptotic Signaling in Oral Cancer Cells</b>
<b>O-36</b> 11.00 AM – 11.10 AM	<b>Vijaykumar B. Malashetty</b> Molecular Reproduction and Mechanistic Toxicology Lab, Department of PG Studies and Research in Zoology, Gulbarga University, Kalaburagi-585106, India <b>Alpha-Terpineol: From Human Exposure to Molecular Toxicity - Mechanistic Insights into Reproductive and Developmental Effects</b>
<b>O-37</b> 11.10 AM – 11.20 AM	<b>Hanamantray</b> Department of studies in Zoology, Vijayanagara Sri Krishnadevaraya University, Ballari-585105, India <b>Effect of Polyethylene terephthalate (PET) micro plastics on pre- and post-natal development, including maternal function in Wistar rats</b>

## Parallel Session – OP-6

Venue: HALL 2A

Chairperson: Dr Harish C. Upadhyay

<b>O-38</b> 10.20 AM – 10.30 AM	<b>Surajit Pradhan</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, India <b>Sustainable production of biodiesel from waste frying oil using biowaste-derived CaO/K<sub>2</sub>CO<sub>3</sub> nanocomposite catalyst: RSM optimization and E-metrics study</b>
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<b>O-39</b> 10.30 AM – 10.40 AM	<b>Pakkiresha Goravara</b> Department of Zoology, Vijayanagara Sri Krishnadevaraya University, Ballari-583105, Karnataka, India <b>Mechanistic Insights into <math>\alpha</math>-Terpineol-Induced Reproductive Toxicity in Male Rats: Evidence from Molecular, Genotoxic, and Ultrastructural Analyses</b>
<b>O-40</b> 10.40 AM – 10.50 AM	<b>Arif Ali Mandal</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, India <b>Ru(II)-Based Photoantibiotics: Light-Driven Eradication of Bacterial Biofilm and Rapid Healing of Infective Wounds in Wistar Rat</b>
<b>O-41</b> 10.50 AM – 11.00 AM	<b>Nandita Kushwaha</b> Department of Chemistry and Environmental Science, M.M.M. University of Technology, Gorakhpur (273010), Uttar Pradesh, India <b><math>\beta</math>-Cyclodextrin Xanthate-Acrylamide Hydrogel as a Sustainable Adsorbent for <math>\text{Cu}^{2+}</math> and <math>\text{Ni}^{2+}</math>: Adsorption and Biodegradability Assessment</b>
<b>O-42</b> 11.00 AM – 11.10 AM	<b>Neha Chaurasiya</b> Department of Chemistry and Environmental Science, Madan Mohan Malaviya University of Technology, Gorakhpur (273010), Uttar Pradesh, India <b>Eco-Friendly Novel Gum Ghatti Xanthate-Based Hydrogel for Removal of <math>\text{Cu}^{2+}</math> and <math>\text{Co}^{2+}</math> Ions from Synthetic and Real Water</b>
<b>O-43</b> 11.10 AM – 11.20 AM	<b>Bharti Singh</b> Department of Chemistry, Indian Institute of Technology (BHU) Varanasi, Uttar Pradesh, India <b>Computational Investigation of Sulphur-Centred Hydrogen Bonds in Ethanedithiol-Solvent Clusters</b>

## Parallel Session – OP-7

Venue: HALL 2B

Chairperson: Dr Asha Jain

<b>O-44</b> 10.20 AM - 10.30 AM	<b>Praveen Kumar</b> Department of chemistry and environmental science, M.M.M. University of Technology, Gorakhpur (273010), Uttar Pradesh, India <b>Optimization of Acrylic Acid/Acrylonitrile functionalized Gg-based Hydrogel for Synthesis Eco-friendly, Cost-effective and Efficient Removal of Heavy Metal Ions</b>
<b>O-45</b> 10.30 AM - 10.40 AM	<b>Prerna Shekhawat</b> Department of Chemistry, IIS (deemed to be) University, SFS, Mansarovar, Jaipur, Rajasthan, India <b>From Synthesis to Simulation: Multicomponent-Derived Compounds Evaluated via Computer-Aided Drug Design, Molecular Docking, and ADME Profiling</b>
<b>O-46</b> 10.40 AM - 10.50 AM	<b>Riya Sharma</b> Department of Chemistry and Environmental Science, Madan Mohan Malaviya University of Technology, Gorakhpur (273010), Uttar Pradesh, India <b>Allyl Mannitol Crosslinked Pectin-Based Hydrogel for Efficient Adsorptive Removal of <math>\text{Cu}^{2+}</math> and <math>\text{Ni}^{2+}</math> Ions from Aqueous Solutions</b>
<b>O-47</b> 10.50 AM - 11.00 AM	<b>Hardik L. Varu</b> Department of Chemistry, School of Science, Dr. Subhash University, Junagadh, 362001, Gujarat, India <b>Sunlight Mediated Yellow Fluorescence Detection of Mercury and Copper</b>

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<b>O-48</b> 11.00 AM - 11.10 AM	<b>Kausha P. Bhatt</b> Department of Chemistry and Forensic Science, Bhakta Kavi Narsinh Mehta University, Junagadh, 362001, Gujarat, India <b>Colorimetric detection of cations and anions with eosin y-quinoline motif</b>
<b>O-49</b> 11.10 AM - 11.20 AM	<b>Belal Ahamad</b> Department of Chemical Engineering and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi, India <b>Studies on modified montmorillonite as catalyst to produce upgraded fuel oil from the pyrolysis of waste extended polystyrene</b>

## Parallel Session – OP-8

Venue: HALL 2C

Chairperson: Dr Ved Prakash Singh

<b>O-50</b> 10.20 AM - 10.30 AM	<b>Sumit Kumar Jaiswal</b> Department of Microbiology, Faculty of Science, Marwadi University, Rajkot 360 003 Gujarat, India <b>Development of Biocompatible Carbon Quantum Dots as Sustainable Alternatives to Traditional Sunscreen Ingredients</b>
<b>O-51</b> 10.30 AM - 10.40 AM	<b>Ramya P R</b> BRIC- National Institute of Animal Biotechnology (NIAB), Hyderabad-500032, Telangana, India <b>Epitope-Level Insights for Immuno-Recognition of JEV NS1 via Gold Nanoflower- MXene Composite</b>
<b>O-52</b> 10.40 AM - 10.50 AM	<b>Aman Singh</b> Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, U.P., India <b>Visible light-induced C(sp<sup>2</sup>)-N bond-formation from diazonium tetrafluoroborates and secondary amines via Electron Donor–Acceptor Complex Formation</b>
<b>O-53</b> 10.50 AM - 11.00 AM	<b>Mansi Srivastava</b> Department of Chemistry and Environmental Science, Madan Mohan Malaviya University of Technology, Gorakhpur (273010), Uttar Pradesh, India <b>Development of Neem-Mediated Phytonanoparticle-Based Nanocomposites for Enhanced Adsorption of Toxic Dyes from Wastewater</b>
<b>O-54</b> 11.00 AM - 11.10 AM	<b>Vadivel Ganapathy</b> Department of Cell Biology and Biochemistry Texas Tech University Health Sciences Center Lubbock, TX 79430 USA <b>Newly found biological targets for the anti-helminthic drug niclosamide in cancer cells, highlighting its potential in cancer therapy</b>
<b>O-55</b> 11.10 AM - 11.20 AM	<b>Raju Bej</b> Jyoti and Bhupat Mehta School of Health Sciences and Technology, Indian Institute of Technology Guwahati, Assam, 781039, India <b>Mucin-Inspired Filamentous Amphiphilic Copolymers Effectively Inhibit Human Respiratory Syncytial Virus (hRSV) Infectivity</b>

## Insight Forum: Engaging Minds Through Dialogue

Venue:

<b>Panel Discussion</b> 11.30 AM – 12.00 PM	<b>Collaboration Among Industry, Academia, and Government: Driving Sustainable Innovation in India</b>
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	Moderator: Prof. Sanjay Kumar, BITS Pilani, K K Birla Goa Campus
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## Valedictory Session

### Venue:

12.00 PM – 1.00 PM	Valedictory Session
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1.00 PM	Lunch
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- End of Programme -

PL = Plenary Lecture | KL = Keynote Lecture | IL = Invited Lecture | O = Oral Presentation | P = Poster Presentation