

32nd 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

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

Parallel Session - II A

Venue: HALL-IA

Chairperson: Dr Manisha Malviya

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

32nd 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

IL-4 12:25 PM - 12.45 PM	Suman K. Barman Department of Chemical Sciences, Indian Institute of Science Education and Research Mohali, Punjab, India Asynchronous Transition State Tuned from Remote Site for Nitrite Reduction at Copper Centre
IL-5 12:45 PM - 01.05 PM	Sanjay Kumar 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	Lunch

Parallel Session - II B

Venue: HALL-2A

Chairperson: Dr Arindam Indra

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

Session - III : Wiley Sponsored

Venue: HALL-IA

Chairperson: Prof Anamik Shah

32nd 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



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

Session - IVA

Venue: HALL-IA

Chairpersons: Dr Asha Gupta

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

Parallel Session - IV B

Venue: HALL-2A

Chairpersons: Dr. V. Ramanathan

IL-15 4:50 PM - 5.10 PM	Ravi Prakash Singh Professor, Department of Chemistry, Indian Institute of Technology Delhi, New Delhi, India Atropisomerism in the Realm of Pharmaceutically Relevant Compounds
-----------------------------------	--

32nd 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

IL-16 5.10 PM - 5.30 PM	Ganesh Venkataraman Associate Professor, Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal, India Transition Metal-Catalyzed Annulation Platforms for Pharmacologically Relevant Tetralone and Chromanol Frameworks
IL-17 5.30 PM - 5.50 PM	Deepti Goyal Assistant Professor, Department of Chemistry, DAV College, Chandigarh, India Rational Design of Phenol-Triazole Derivatives as Modulator of Aβ/Cu²⁺-Aβ Aggregation and Cytotoxicity
IL-18 5.50 PM - 6.10 PM	Chandana Rath Associate Dean (Faculty Affairs), School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi, India Synergistic Effect of CoFe₂O₄-85S Nano Bio-glass Composites for Hyperthermia
6.15 PM-7.30 PM	RSC-sponsored poster sessions Poster Number P-1 to P-31 Venue: HALL-2C Poster Number P-32 to P-62 Venue: HALL-2D Chairpersons: Dr Moni Sharma, Dr Mrunal Ambasana
7.30 PM-9.00 PM	Conference Dinner

32nd 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

Wednesday, May 13, 2026

Registration

Venue: Dev & Vardhana Goswami Lecture Hall Complex

7.30 AM-9:00 AM	Registration and Breakfast
-----------------	----------------------------

Session - V

Venue: HALL-IA

Chairpersons: Dr Samya Banerjee

PL-6 9.00 AM - 9.35 AM	Ganesh Pandey Distinguished Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India Abstract Awaited
PL-7 9.35 AM - 10.10 AM	Arindam Mukherjee Professor, Department of Chemical Sciences, Indian Institute of Science Education and Research, Kolkata, India Strategic Therapeutic Methodologies using Metal complexes: From Enzyme Modulation to High-Efficiency Phototherapy
10.10 AM - 10.45 AM	Session with Wiley
10.45 AM - 11 AM	Tea

Parallel Session - VI A

Venue: HALL-IA

Chairpersons: Dr G. P. Modi

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

32nd 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

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

Parallel Session-VI B

Venue: HALL-2A

Chairperson: Prof. Dhanesh Tiwari

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

Session – VI.C

Venue: HALL-2B

Chairperson: Prof Indrajit Sinha

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

32nd 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



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

Parallel Session – VII A

Venue: HALL-IA

Chairpersons: Dr. Rosy

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

32nd 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

Parallel Session – VIIB

Venue: HALL 2A

Chairperson: Dr. P. Makam

IL-40 2.15 PM - 2.35 PM	Sudhir K Shukla Scientific Officer F & Asst. Prof. Homi Bhabha National Institute, Biofouling and Biofilm Processes Section, Water and Steam Chemistry Division, BARC Facilities, Kalpakkam, India DEVELOPMENT OF A MULTISPECIES BIOFILM BIOFILTER: MICROBIAL INTERACTIONS, COMMUNITY DYNAMICS, AND HEAVY-METAL REMOVAL EFFICIENCY
IL-41 2.35 PM - 2.55 PM	Ranjan C. Khunt Professor, Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India Tetrazole-Embedded Scaffold via Ugi Four-Component Reaction: Efficient Synthesis and Drug -Likeness Evaluation
IL-42 2.55 PM - 3.15 PM	Subhendu Naskar Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India Transition metal Complexes as Molecular Electrocatalysts for OER, HER and CO₂RR
IL-43 3.15 PM - 3.35 PM	Roop Shikha Singh Assistant Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India Engineering Charge Transfer in AIE Systems: From Molecular Design to Targeted Theranostic Applications
IL-44 3.35 PM - 3.55 PM	Ved Prakash Singh Professor & Head, Department of Industrial Chemistry, Mizoram University, Aizawl, Mizoram, India Drug Design, Synthesis and Study of Novel Series of Bio-active analogues
IL-45 3.55 PM - 4.15 PM	Satyendra K. Pandey Organic Chemistry, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India Metal- and Reagent-Free Approaches for the Synthesis of Bioactive Molecules
4.15 PM - 4.30 PM	Tea

Parallel Session – VII C

Venue: HALL 2B

Chairpersons: Dr E. Saravanakumar

IL-46 2.15 PM - 2.35 PM	Sourav Chakraborty Associate Professor, Department of Chemistry, Indian Institute of Technology, Tirupati, Andhra Pradesh, India Redox-active Interlocked Molecules for Energy Storage Applications
IL-47 2.35 PM - 2.55 PM	Debasish Mandal Associate Professor, Department of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, India Computational Exploration of Ligand-Directed C-H Activation in Bio-Inspired Metal-Oxo Complexes

32nd 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



IL-48 2.55 PM - 3.15 PM	Sabbasani Rajasekhara Reddy Professor, School of Advanced Sciences, Department of Chemistry, Vellore Institute of Technology (VIT), Vellore, India Carbohydrates and Copper for Sustainable Catalysis, Health Care and Environment
IL-49 3.15 PM - 3.35 PM	Bichismita Sahu Professor, NIPER, Ahmedabad Epigenetic modulation through nucleobase inspired scaffolds: Discovery of anti-cancer compounds targeting LSD1
IL-50 3.35 PM - 3.55 PM	Rinku Chakrabarty Head, Department of Chemistry, Alipurduar University, Alipurduar, West Bengal, India Rhodamine Based Cu(II) Complexes: Application as PDT Agent
IL-51 3.55 PM - 4.15 PM	Dina Nath Singh Professor, K.S. Saket PG College, Dr. Ram Manohar Lohia Avadh University, Ayodhya, India Current Approaches for the Search of New Bioactive Leads from Medicinal Plants
4.15-4.30 PM	Tea

Parallel Session – OP-1

Venue: HALL-1A

Chairperson: Prof Neelima Gupta

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

32nd 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



O-7 5.35 PM - 5.45 PM	Priya Mahaur Department of Chemistry, IIT BHU, Varanasi, Uttar Pradesh, India Synthesis of Imidazo[1,2-a]pyridine via Sustainable Photocatalytic C (sp)³-H Functionalization of Ethylarenes and Their Luminescence Investigations
O-8 5.45 PM - 5.55 PM	Amod Kumar Chemical & Material Sciences Division, CSIR-Indian Institute of Petroleum, Haridwar Road, Mohkampur, Dehradun, India Synthesis of cyclic carbonates from CO₂ and epoxides under ambient conditions

Parallel Session – OP-2

Venue: HALL-2A

Chairperson: Dr Gurpreet Singh Minhas

O-9 4.35 - 4.45 PM	Priyadarshini R Department of Life Sciences, School of Natural Sciences, Shiv Nadar Institution of Eminence, Delhi NCR, Greater Noida 201314, India Small organic metabolites produced by <i>Lactobacillus rhamnosus</i> with anti-biofilm properties against <i>Streptococcus mutans</i> biofilms
O-10 4.45 PM - 4.55 PM	Parikh Kaushik Department of Biotechnology, Thapar Institute of Engineering & Technology, Patila-147001, Punjab, India Development of Sodium Alginate-Based Microcapsules for Controlled Release of Coenzyme Q₁₀
O-11 4.55 PM - 5.05 PM	Rashmi D Department of Biochemistry, JSS Medical College, JSS Academy of Higher Education & Research, Mysore, India IN VITRO ANTI-INFLAMMATORY AND ANTI-CANCER ACTIVITY OF FERMENTED FRUIT EXTRACT IN LIPOPOLYSACCHARIDE-STIMULATED RAW 264.7 MACROPHAGES AND CaCO₂ CELLS
O-12 5.05 PM - 5.15 PM	Yogita Rani Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, U.P. India Polarity-Tunable Curcumin-Derived Carbon Quantum Dots for Multifunctional Liposomal Theranostics
O-13 5.15 PM - 5.25 PM	Ram Pratap Pandey Department of Medicinal Chemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi-221005, India Lewis Acid-Controlled Divergent Transformations of Glycols: Stereoselective Access to Fused Pyran Frameworks, C-Glycosides, and Glycoconjugates
O-14 5.25 PM - 5.35 PM	G.K. Mohan Krishna Division of Biochemistry, School of Life Sciences, Mysuru, JSS Academy of Higher Education & Research, Mysuru 570 015, Karnataka, India Sustainable Synthesis of Silver nanoparticles (AgNPs) using <i>Kanchanara guggulu</i> extract: Antioxidant, and Cytotoxic Potential
O-15 5.35 PM - 5.45 PM	Samanmitha S 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

32nd ISCB INTERNATIONAL CONFERENCE (ISCBC-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

	Quercetin induces BMAL1 and targets METTL3/m⁶A-SND1-Mediated Epitranscriptomic novel Axis to Attenuate Hepatocellular Carcinoma under Circadian Disruption
O-16 5.45 PM - 5.55 PM	Sandeep Chovatiya Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India Cytotoxic and Genotoxic Effects of Aluminum Oxide (Al₂O₃) Nanoparticles on Human Haematocytes: An In Vitro Study

Parallel Session – OP-3

Venue: HALL-2B

Chairperson: Dr Mohan Prasad

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

Parallel Session – OP-4

Venue: HALL-2C

Chairperson: Dr Keshav Deo

32nd 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



O-24 4.35 PM - 4.45 PM	Shweta Srivastava Lucknow, India Fostering Environmental Responsibility at secondary school level through NCERT Chemistry Kits
O-25 4.45 PM - 4.55 PM	Ranjana Das Department of Pharmaceutical Engineering and Technology, Indian Institute of Technology, (BHU) Varanasi, India An integrative approach combining computational simulation and spectroscopic analysis elucidates the stability of L-asparaginase on the nanocomposite surface
O-26 4.55 PM - 5.05 PM	Akanksha Singh Biofuel Research Laboratory, School of Biochemical Engineering, Indian Institute of Technology (BHU), Varanasi, India DESIGN OF A BATCH BIOREACTOR UTILIZING A DEVELOPED MICROBIAL-NANOCOMPOSITE BEAD SYSTEM FOR SCALE-UP OF HEAVY METAL REMEDIATION PROCESS FROM AQUEOUS SYSTEMS
O-27 5.05 PM - 5.15 PM	Smriti Dogra Department of Chemistry, Dr B. R. Ambedkar National Institute of Technology, Jalandhar-144008 (Punjab), India Ultrasensitive Electrochemical Sensor for Nitroaromatics Using C₃N₄-MoS₂-Au Nanocomposite with Pendimethalin as a Real Sample
O-28 5.15 PM - 5.25 PM	Pooja Kumari Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh – 221005, India Visible-light-initiated N-arylation of hydrazones with diazonium tetrafluoroborate via EDA complex formation
O-29 5.25 PM - 5.35 PM	Aswathi C Narayanan Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India Synthesis of cinnamic esters and acids via palladium-catalyzed reactions of aryl diazonium salts and their biological evaluation
O-30 5.35 PM - 5.45 PM	Khushi Malaybhai Mehta Department of Microbiology, Faculty of Science, Marwadi University, Rajkot-Morbi Road, Rajkot 360 003 Gujarat, India Bioprospecting of <i>Endophytic Aspergillus niger</i> Associated with <i>Withania somnifera</i> for Pharmacologically Active Metabolites
O-31 5.45 PM - 5.55 PM	Pratikshya Das Pattanayak Department of Chemistry, NIT Rourkela, Rourkela, India VI^{IV}-TSC-based Metallodrugs: Solution Chemistry, Cytotoxicity, and Cellular Internalization

Poster Session – II (Wiley-sponsored)

Venue:

Chairpersons: Dr Vikas Tyagi, Dr Rinku Chakrabarty

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

32nd 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



Thursday, May 14, 2026

Parallel Session – VIII A (IDAPT sponsored)

Venue: HALL IA

Chairpersons: Prof. Sanjay Kumar

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

Parallel Session – VIII B (IKS sponsored)

Venue: HALL 2A

Chairpersons: Prof. Ashoke Sharon

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

32nd 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

IL-61 10.20 AM - 10.40 AM	Raju Bej Jyoti and Bhupat Mehta School of Health Sciences and Technology, Indian Institute of Technology Guwahati, Assam, 781039, India Mucin-Inspired Filamentous Amphiphilic Copolymers Effectively Inhibit Human Respiratory Syncytial Virus (hRSV) Infectivity
-------------------------------------	--

Parallel Session – OP-5

Venue: HALL 1A

Chairpersons: Prof Shailesh Rajanikant Shah

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

Parallel Session – OP-6

Venue: HALL 2A

Chairperson: Dr Harish C. Upadhyay

O-38 10.20 AM – 10.30 AM	Surajit Pradhan Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, India Sustainable production of biodiesel from waste frying oil using biowaste-derived CaO/K₂CO₃ nanocomposite catalyst: RSM optimization and E-metrics study
------------------------------------	---

32nd 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

O-39 10.30 AM – 10.40 AM	Pakkiresha Goravara Department of Zoology, Vijayanagara Sri Krishnadevaraya University, Ballari-583105, Karnataka, India Mechanistic Insights into α-Terpineol-Induced Reproductive Toxicity in Male Rats: Evidence from Molecular, Genotoxic, and Ultrastructural Analyses
O-40 10.40 AM – 10.50 AM	Arif Ali Mandal Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, India Ru(II)-Based Photoantibiotics: Light-Driven Eradication of Bacterial Biofilm and Rapid Healing of Infective Wounds in Wistar Rat
O-41 10.50 AM – 11.00 AM	Nandita Kushwaha Department of Chemistry and Environmental Science, M.M.M. University of Technology, Gorakhpur (273010), Uttar Pradesh, India β-Cyclodextrin Xanthate-Acrylamide Hydrogel as a Sustainable Adsorbent for Cu^{2+} and Ni^{2+}: Adsorption and Biodegradability Assessment
O-42 11.00 AM – 11.10 AM	Neha Chaurasiya Department of Chemistry and Environmental Science, Madan Mohan Malaviya University of Technology, Gorakhpur (273010), Uttar Pradesh, India Eco-Friendly Novel Gum Ghatti Xanthate-Based Hydrogel for Removal of Cu^{2+} and Co^{2+} Ions from Synthetic and Real Water
O-43 11.10 AM – 11.20 AM	Bharti Singh Department of Chemistry, Indian Institute of Technology (BHU) Varanasi, Uttar Pradesh, India Computational Investigation of Sulphur-Centred Hydrogen Bonds in Ethanedithiol-Solvent Clusters

Parallel Session – OP-7

Venue: HALL 2B

Chairperson: Dr Asha Jain

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

32nd ISCB INTERNATIONAL CONFERENCE (ISCBC-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

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

Parallel Session – OP-8

Venue: HALL 2C

Chairperson: Dr Ved Prakash Singh

O-50 10.20 AM - 10.30 AM	Sumit Kumar Jaiswal Department of Microbiology, Faculty of Science, Marwadi University, Rajkot 360 003 Gujarat, India Development of Biocompatible Carbon Quantum Dots as Sustainable Alternatives to Traditional Sunscreen Ingredients
O-51 10.30 AM - 10.40 AM	Ramya P R BRIC- National Institute of Animal Biotechnology (NIAB), Hyderabad-500032, Telangana, India Epitope-Level Insights for Immuno-Recognition of JEV NS1 via Gold Nanoflower- MXene Composite
O-52 10.40 AM - 10.50 AM	Aman Singh Department of Chemistry, Indian Institute of Technology (BHU), Varanasi-221005, U.P., India Visible light-induced C(sp²)-N bond-formation from diazonium tetrafluoroborates and secondary amines via Electron Donor–Acceptor Complex Formation
O-53 10.50 AM - 11.00 AM	Mansi Srivastava Department of Chemistry and Environmental Science, Madan Mohan Malaviya University of Technology, Gorakhpur (273010), Uttar Pradesh, India Development of Neem-Mediated Phytonanoparticle-Based Nanocomposites for Enhanced Adsorption of Toxic Dyes from Wastewater
O-54 11.00 AM - 11.10 AM	Vadivel Ganapathy Department of Cell Biology and Biochemistry Texas Tech University Health Sciences Center Lubbock, TX 79430 USA Newly found biological targets for the anti-helminthic drug niclosamide in cancer cells, highlighting its potential in cancer therapy

Insight Forum: Engaging Minds Through Dialogue

Venue:

Panel Discussion 11.30 AM – 12.00 PM	Collaboration Among Industry, Academia, and Government: Driving Sustainable Innovation in India Moderator: Prof. Sanjay Kumar, BITS Pilani, K K Birla Goa Campus
--	--

Valedictory Session

Venue:

12.00 PM – 1.00 PM	Valedictory Session
---------------------------	----------------------------

32nd ISCB INTERNATIONAL CONFERENCE (ISCBC-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



1.00 PM	Lunch
---------	-------

- End of Programme -

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