



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
Recognized Research Center, Accredited by NBA for CE, CSE, ECE, EEE, ME, MBA
& MCA, Recognized by UGC under the sections 2(f) and 12(B) of the UGC act 1956



4-day Virtual International Conference on ChemConvergence 2025 (CCVG-2025) In association with Indian Photobiology Society

Programme Schedule

DAY 1 (04-03-2025)			
09.30-10.10 AM	Inauguration Convener's speech: Dr. Rashmi Roy (Department of Chemistry) HOD's speech: Dr. Renjith Bhaskaran (Department of Chemistry) Conference Inauguration by Principal: Dr. C. Yuvaraj (Dept. of Mech. Engg.) Speech by Dean R & D, MITS: Dr. R. Thulasiram Naidu Inaugural address by Vice President, IPS: Prof. Ashok Kumar Mishra (IIT Madras) Inaugural address by Secretary, IPS: Prof. Chittaranjan Sinha (Jadavpur University)		
Session 1 Chair: Dr. Lipeeka Rout			
10.10-10.55 AM	Plenary Lecture	Prof. Y. D. Vankar	IIT Kanpur
Title of talk: Synthetic Studies Towards Biologically Important Carbohydrate Molecules via Functionalizing of Glycals, and O-Glycosylations			
10.55-11.35 AM	Invited Speaker	Dr. Asif Iqbal	Assistant Professor, Nano Life Science Institute, Kanazawa University, Japan
Title of talk: Stimuli-responsive helicity inversion speed control in dynamic helical trinickel(II) metallocryptand			
Break			
Session 2 Chair: Dr. Rahul Pal			
11.45-12.25 PM	Invited Speaker	Dr. Partha Pratim Pal	Editor, Chemistry An Asian Journal, Deputy Editor, Physical Sciences Journal, Wiley
Title of talk: Editorial Tips for Successful Publishing			
12.25-1.00 PM	Invited Speaker	Dr. Manav Saxena	Associate Professor, Jain University, Bangalore
Title of talk: Ultrathin 2D Nickel/Cobalt Hydroxide Vertical Heterostructures: Unlocking High Energy Density for Flexible Symmetric Solid-State Micro-supercapacitor			
Break			
Session 3 Chair: Dr. Rajaram R			
2.00-2.40 PM	Invited Speaker	Prof. Alakesh Bisai	(FRSC) IISER Kolkata
Title of talk: Natural Products of Biological Relevance: Learning from Nature			
2.40-3.25 PM	Plenary Lecture	Prof. Lutz Ackermann	Director Woehler Research Institute for Sustainable Chemistry, Georg-August-Universitaet Goettingen, Germany
Title of talk: Catalyzed C-H Functionalization			
3.25-3.45 PM	Flash Talk	Dr. Nishamol Kuriakose	Postdoc, Univ. of Oslo, Norway
Title of talk: Machine Learning-Based Prediction of Hydrogen Adsorption in Nanoporous MOF Materials			
3.45-4.45 PM	Virtual Poster Session 1		
End of Day 1			



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DAY 2 (05-03-2025)			
Session 1 Chair: Dr. Ugrabadi Sahoo			
09.30-10.10 AM	Invited Speaker	Dr. Supriya Dey	Harvard University, USA
Title of talk: <i>Programmable One-Pot Synthesis of Heparin Sulfate and Heparin-derived commercial Anticoagulants</i>			
10.10-10.50 AM	Invited Speaker	Dr. Jhimli Bhattacharya	HOD. Associate Professor, NIT Nagaland
Title of talk: <i>On Plant Alkaloids Derived from North-east Indian Biodiversity: An Ethnomedical and Biophysical Approach</i>			
Break			
Session 2 Chair: Dr. Sanoop P			
11.10-11.55 AM	Plenary Lecture	Prof. Pratim Kumar Chattaraj	Distinguished Prof., BITS Mesra
Title of talk: <i>All-metal aromaticity and Hydrogen storage</i>			
11.55-12.35 PM	Invited Speaker	Dr. Gourishankar Roymahapatra	Associate Professor (FICS), HIT, Haldia
Title of talk: <i>Investigation of Chalcone Derivatives as Next-Generation Antimicrobials Against Dihydrofolate Reductase</i>			
Break			
Session 3 Chair: Dr. Boobalan Ramadoss			
1.30-2.15 PM	Plenary Lecture	Prof. Shoubhik Das	University of Bayreuth, Germany
Title of talk: <i>Photocatalysis as a green tool for the development of sustainable chemistry</i>			
2.15-2.35 PM	Flash Talk	Dr. Subrata Patra	Postdoc, Univ. of Bern, Switzerland
Title of talk: <i>Facile Access to Terminal Nitroalkanes via Anti-Markovnikov Nitration and Nitroalkylation Enabled by Photoredox Catalysis</i>			
2.35-4.30 PM	Virtual Poster Session 2		
End of Day 2			



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DAY 3 (06-03-2025)			
Session 1 Chair: Dr. Amaladass P			
09.30-10.10 AM	Invited Speaker	Dr. Harikrishna Sahu	Research Scientist II, Georgia Tech University, USA
Title of talk: <i>From Corpus to Innovation: Accelerating Organic Photovoltaic Discovery Using Large Language Models</i>			
10.10-10.50 AM	Invited Speaker	Dr. Naganabonia Vijaykumar	Head, Process R & D, Wanbury Ltd.
Title of talk: <i>Transforming API Process Development with AI and Quality by Design (QbD): A Multidisciplinary Approach</i>			
Break			
Session 2 Chair: Dr. Ragavendran K			
11.10-11.55 AM	Plenary Lecture	Prof. Manabendra Sarma	IIT Guwahati
Title of talk: <i>Low Energy Electron Induced DNA Damage: A Theoretical Viewpoint</i>			
11.55-12.35 PM	Invited Speaker	Prof. Abhijit Patra	IISER, Bhopal
Title of talk: <i>Nanoporous Organic Materials for Energy and Environmental Sustainability</i>			
Break			
Session 3 Chair: Dr. Boobalan Ramadoss			
1.30-2.10 PM	Invited Speaker	Dr. Raj Sharma	Director, Aurigene Pharmaceutical Services, Hyderabad
Title of talk: <i>Innovative Pathways to Sustainable Development and Manufacturing in the Pharmaceutical Industry</i>			
2.10-2.30 PM	Flash Talk	Dr. Uttam Dhawa	Postdoc, EPFL, Switzerland
Title of talk: <i>Nickel-Catalyzed Enantio- and Diastereoselective Synthesis of Fluorine-Containing Vicinal Stereogenic Centers</i>			
2.30-4.30 PM	Virtual Poster Session 3		
End of Day 3			



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DAY 4 (07-03-2025)			
Session 1 Chair: Dr. Rahul Pal			
09.30-10.10 AM	Invited Speaker	Dr. Moushumi Sarma	Principal Research Scientist, University of Kentucky, USA
Title of talk: <i>Increasing CO₂ Capture Using Carbonic Anhydrase Mimics for Post-Combustion CO₂ Capture and Direct Air Capture</i>			
10.10-10.30 AM	Flash Talk	Dr. Indrajit Paul	Postdoc, UCLA, USA
Title of talk: <i>Triplet Sensitized Quantum Amplification in Crystalline Solids</i>			
Break			
Session 2 Chair: Dr. Balaji Mohan			
10.45-11.25 AM	Invited Speaker	Dr. Aditi Agarwal	Principal Consultant, Infosys
Title of talk: <i>Digital Transformation in Agrochemical R&D</i>			
11.25-12.05 PM	Invited Speaker	Dr. Prantik Maiti	Group Leader, TCG Lifesciences
Title of talk:			
12.05-12.45 PM	Invited Speaker	Dr. Abhijit Bijanu	Assistant Professor, Dept. of Chemistry, MITS, Madanapalle
Title of talk: <i>Comparative Study of Novel W/Bi-PVA-PVP Polymer Composite for Neutron and Gamma-ray Shielding Applications</i>			
Break			
Session 3			
1.30-3.00 PM	Virtual Poster Session 4		
Break			
3.15-3.45 PM	Valedictory programme		