



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



Department of Chemistry

3-day Virtual International Conference

on

Chemistry: Global Trends and Future Directions (CGTFD-2024)

Program Schedule

DAY 1 (05-08-2024)			
09.30-09.50 AM	Inauguration Conveners' 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.)		
Break			
Session 1 Chair: Dr. Arunbabu Dhamodaran			
10.00-10.45 AM	Plenary Lecture	Prof. C. P. Rao	SRM University, AP (Retired Professor from IIT Bombay)
Title of talk: Supramolecular Conjugates of Calix[4]arenes: Multitude Application Domains			
10.45-11.25 AM	Invited Speaker	Dr. Mohan Kumar K.	UNAM, Mexico
Title of talk: Monitoring the charge transfer behaviour in Heterojunctions: Importance in artificial photosynthesis			
Break			
Session 2 Chair: Dr. Boobalan Ramadoss			
11.40-12.20 PM	Invited Speaker	Dr. Arijit Kumar Dey	IISER Mohali
Title of talk: A multidisciplinary approach toward solving the 'Global energy crisis'			
12.20-1.00 PM	Invited Speaker	Dr. Raj Sharma	Aurigene Pharmaceutical services, Hyderabad
Title of talk: Metal-catalyzed reactions - Industrial perspective			
Break			
Session 3 Chair: Dr. K. Chandramohan			
2.00-2.40 PM	Invited Speaker	Dr. Nitee Rathi	POSTECH, South Korea
Title of talk: Catalytic Nanoprobes for Biofilm Eradication, Drug-Delivery, and Bioimaging			
2.40-3.20 PM	Invited Speaker	Dr. Pavan Kancharla	IIT Guwahati
Title of talk: Frustrated Brønsted Pair Catalysis for Glycoside Bond Formation			
3.20-5.00 PM	Virtual Poster Session 1		



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End of Day 1

DAY 2 (06-08-2024)

Session 4 Chair: Dr. Rahul Pal

9.30-10.10 AM	Invited Speaker	Dr. Chayan Dutta	Georgia State University, USA
Title of talk: <i>Variable Non-Gaussian Transport of Nanoplastic on Supported Lipid Bilayers in Saline Conditions</i>			
10.10-10.50 AM	Invited Speaker	Dr. Thomas Stegmann	UNAM, Mexico
Title of talk: <i>Controlling the current flow in 2D materials</i>			
Break			
Session 5 Chair: Dr. V. Raju			
11.10-11.50 PM	Invited Speaker	Dr. Anandhu Mohan	Gachon University, South Korea
Title of talk: <i>Synthesis of Biomass-Derived Porous Carbon through Solid-State Activation for Reversible Iodine Capture</i>			
11.50-12.30 PM	Invited Speaker	Dr. Balaji Mohan	Madanapalle Institute of Technology & Science, AP, India
Title of talk: <i>Controlled Synthesis and Uniform Anchoring of Hollow Cu_xO Nanocubes on Carbon Nanofiber for Enhanced Se(S)-Se(S) Bond Activation</i>			
Break			
Session 6 Chair: Dr. Imran K.			
1.30-2.10 PM	Invited Speaker	Dr. Nadezda Prochukhan	Longitude Licensing Ltd. Dublin, Ireland
Title of talk: <i>Wood and wood-derived polymers for sustainable design of emerging applications</i>			
2.10-2.50 PM	Invited Speaker	Dr. Sumanta Sahoo	Yeungnam Univ. South Korea
Title of talk: <i>Impact of Metal Oxide and Sulfide-based Composites in Supercapacitor Technology</i>			
Break			
3.00-5.00 PM	Virtual Poster Session 2		
End of Day 2			



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DAY 3 (07-08-2024)			
Session 7 Chair: Dr. R. Srinivasan			
9.15-10.00 AM	Plenary Lecture	Prof. Alexei V. Demchenko	Saint Louis University, USA
Title of talk: <i>From Stereocontrolled Glycosylation to Automated Chemical Synthesis of Glycans</i>			
10.00-10.40 AM	Invited Speaker	Dr. Satyajit Saha	ICT Mumbai, India
Title of talk: <i>Designing Multifunctional Aggregation Induced Emissive Luminogen by Precise Molecular Engineering</i>			
Break			
Session 8 Chair: Dr. K. Ragavendran			
11.00-11.40 AM	Speaker	Dr. Manav Saxena	Jain University, Bangalore, India
Title of talk: <i>Fabrication of Large area Ultrathin Co/Ni(OH)₂ Flexible Nanosheets: Electrode Material for the Charge Storage and Water Splitting</i>			
11.40-12.20 PM	Speaker	Dr. Priyabrata Ghana	IIT Gandhinagar, India
Title of talk: <i>Transition Metal-Tetrel Multiple Bonds: Connecting Main Group Chemistry with Transition Metal Chemistry</i>			
Break			
Session 9 Chair: Dr. Rajaram R.			
2.00-2.40 PM	Invited Speaker	Dr. Christopher Jeyakumar	The American College, Madurai, India
Title of talk: <i>Metal Catalysts for Nitrogen Activation & Reduction</i>			
2.40-3.20 PM	Invited Speaker	Dr. Bigyan Ranjan Jali	VSSUT, Orissa, India
Title of talk:			
Break			
3.20-4.30 PM	Virtual Poster Session 3		
4.30-5.00 PM	Valedictory function		



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Chief Patron
**Dr. N. Vijaya Bhaskar
Choudary, PhD**

Patron
Mrs. Keerthi Nadella

Co-Patron & Principal
Prof. C. Yuvaraj

Convener
Dr. Rashmi Roy

Co-Conveners
Dr. Renjith Bhaskaran (HOD)
Dr. Amaladass P.
Dr. Lipeeka Rout
Dr. Sanoop P.

CGTFD-2024