



TECHNICAL SESSION ON CHEMO-CATALYSIS FOR SUSTAINABILITY

8th November 2023 | The Westin Mumbai Garden City

Expected Participants:

President-R&D, VP-R&D, GM-R&D, GM-Process Development, Senior Scientists-Process Research

Objectives:

- To learn innovative methodologies to conduct synthetic organic chemistry in Water.
- To explore new frontiers of Catalysis like single atom, micellar catalysis, nano catalysts, etc.
- Petrochemical Industry has pioneered Catalytic Processes - Pharma & Fine Chemicals Industry can learn from them.
- To connect with Solution Providers in the domain of sustainable metal catalysis, precious metal catalysts recovery, etc.

Session Mentors



Prof. Lakshmi Kantam, Dr. B. P. Godrej
Distinguished Professor, **Institute of Chemical Technology (ICT)**



Dr. Raksh Vir Jasra, Sr. Vice President -
R&D, **Reliance Industries Ltd.**

Timing	Speaker	Topic / Title of Presentation
08:30 - 09:30	Registration, Tea/Coffee, Networking, Visiting IGCW-EXPO	
09:30 - 09:45	Welcome by Session Mentors: Acknowledgement, Self-Introduction, Creating Context for the Session	
09:45 - 10:15	 Prof. Bruce H. Lipschutz, Distinguished Professor - Dept. of Chemistry, University of California, Santa Barbara	Keynote: Transitioning Synthetic Organic Chemistry to Water; It's Our Future!
10:15 - 10:45	 Dr. Bharat Newalkar, Chief General Manager (R&D), Bharat Petroleum Corporation Ltd.	Catalysts & Catalytic Processes - What Pharma, Speciality Fine Chemicals can learn from Petroleum/Petrochemical Industry?
10:45 - 11:15	 Prof. Lakshmi Kantam, Dr. B. P. Godrej Distinguished Professor of Green Chemistry & Sustainability Engg, Institute of Chemical Technology (ICT) (TBC)	Successful commercialization of Catalytic Processes.
11:15 - 12:00	Tea/Coffee Networking Break, Visiting IGCW-EXPO	
12:00 - 12:30	 Mr. Jayesh Ashar, Director - Operations, Vinati Organics Ltd.	Industrial Case Study on successful commercialization of Catalytic Processes
12:30 - 13:00	 Dr. Vasudev Rao Gandhi, Group Leader - Process Chemistry & Technology Transfer, UPL Ltd.	Catalysts & Catalytic Processes being explored by UPL for Economical & Environmental Competitiveness
13:00 - 13:30	 Dr. Sachin Rawalekar, Assistant General Manager - R&D, Hindustan Platinum Ltd.	Efficient, recyclable, and re-processable precious group metal-based catalyst for organic transformations
13:30 - 14:45	Lunch Break, Visiting IGCW-EXPO	
14:45 - 15:10	 Prof. Manoj Gawande, Associate Professor, Department of Industrial and Engineering Chemistry, Institute of Chemical Technology, Mumbai-Marathwada Campus	Single-Atom and NanoCatalysts: A Sustainable and Cost-Effective Pathway for the Organic Transformations
15:10 - 15:35	 Prof. Venkata Krishnan, Professor, School of Chemical Sciences, IIT-Mandi	Nickel Phosphide Anchored on Carbonaceous Supports for Transfer Hydrogenation of Nitroarenes and Quinolines under Base-free, Molecular Hydrogen-free Conditions
15:35 - 16:00	 Dr. Manish Mishra, Professor, Dept. of Chemistry, Sardar Patel University	Micellar Catalysis for Sustainable Chemical Synthesis
16:00 - 16:25	 Dr. Surendra Singh, Assistant Professor, Dept. of Chemistry, Delhi University	Chiral Mn(III) Salen Complexes as Recyclable Homogenous Catalysts for Organic Transformations
16:25 - 16:45	 Dr. Anil Kumar Sinha, Chief Scientist & Head - Biofuels, CSIR-Indian Institute of Petroleum (IIP)	Catalytic Process for Liquid Sustainable Aviation and Automotive Fuels from lipids
16:45 - 17:05	 Mr. Gunvant Patel, MD, Rhodium Master	Recovery of Homogeneous & Heterogeneous Precious Metal Catalysts
17:05 - 17:25	 Ms. Ashwini Kothe, R&D Head, Newreka GreenSynth Technologies Pvt. Ltd.	Sustainable Metal Catalysis for Nitro/Nitroso/Dinitro Group Reduction
17:25 - 17:30	Industry & Academic Mentors for the Session	
17:30 - 18:00	Tea/Coffee Break, Visiting IGCW-EXPO	

*Please note that this is a Tentative Agenda, and there might be changes in the topic/title and overall flow of the presentations.

Click here to Register for the Session: <https://www.industrialgreenchem.com/igcw23-online-and-offline-registration/>