

IGCW2023 - TECHNICAL SESSION ON BIOCATALYSIS: A POWERFUL TOOL FOR GREEN & SUSTAINABLE CHEMISTRY

8th November 2023 | The Westin Mumbai Garden City

Expected Participants:

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

Objectives:

- To introduce the basics and fundamentals of Bio-Catalysts & Bio-Catalytic Processes.
- To explore the diversity of existing and potential applications of Bio-Catalysis.
- To share successful industrial case studies and challenges faced during development & commercialization.
- To connect Industry Participants to experts and solution providers offering Bio-Catalytic solutions.

Session Mentors



Prof. Santosh Noronha,
Assistant Professor, Dept.
of Chemical Engineering,
IIT-Bombay



Dr. Shamlan
Reshamwala, Assistant
Professor, **Center of
Energy Biosciences, ICT**



Dr. Mofazzal Husain,
Associate Director,
Bio R&D, **Lupin Ltd.**

Timing	Speaker	Topic / Title of Presentation
08:30 - 09:30	Registration, Tea/Coffee, Networking, Visiting IGCW Expo	
09:30 - 09:40	Welcome by Session Mentors: Acknowledgement, Self-Introduction & sharing work, Creating Context for the Session	
09:40 - 10:10	 Dr. Shamlan Reshamwala, Assistant Professor, Center of Energy Biosciences, ICT	An Introduction to Bio-Catalysis
Technical Session 1: Use of Enzymes as Bio-catalysis		
10:10 - 10:40	 Dr. Shams Yazdani, Group Leader - Microbial Engineering, International Centre for Genetic Engineering & Biotechnology (ICGEB)	Development of Engineered Microbes and Enzymes to Convert Agricultural Residues into Valuable Products
10:40 - 11:10	 Mr. Nagaraj Maddur, Principal Scientist Advanced Enzymes Technologies Ltd.	Sustainable Industrial Green Chemistry applications using Biocatalytic Enzymes
11:10 - 12:00	Tea/Coffee Networking Break, Visiting IGCW Expo.	
Technical Session 2: Whole-cell mediated Bio-catalysis		
12:00 - 12:30	 Dr. Amulya Panda, Associate Director, Panacea Biotec	Biocatalysis using Inclusion Bodies
12:30 - 13:00	 Dr. Somashekhar, Senior Manager (Bio-Catalysis), Metrochem API Pvt. Ltd.	Gluconobacter oxydans as a Catalyst in API synthesis
13:00 - 13:30	 Dr. Saravanan, CSO, Shasunmed Life-Sciences Pvt. Ltd.	Case Studies on Industrial perspective: Bio-reduction of Aromatic Ketones by Fungi
13:30 - 14:15	Lunch Break, Visiting IGCW Expo.	
14:15 - 14:45	 Dr. Pravin Kumar, Founder, Chairman & CSO, KCat Enzymatic Pvt. Ltd.	7D-GRID-AI Technology: A Technology that translates Enzymes from a Computer to Business with limited lab experiments
14:45 - 15:15	 Dr. Manpeet Singh, CBDO, Iklesia Biologics	Unlocking the power of Bio-Catalysis: Revolutionizing Chemical Process and Green Chemistry
15:15 - 16:15	Panel Discussion (All Speakers)	Bio-Catalysis: Trends and Challenges
16:15 - 16:30	Industry & Academic Mentors for the Session	Closing Remarks & Acknowledgements
16:30 - 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/>