Session Partner

Kcat enzymatic

IGCW2025 - TECHNICAL SESSION ON BIOCATALYSIS - A POWERFUL TOOL FOR GREEN AND SUSTAINABLE CHEMISTRY

8th October 2025 (Wednesday) | The Westin Mumbai Garden City

Session Mentors

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

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

Timing		Speaker, Designation, Company	Topic / Title of Presentation
8:30 - 9:30		**Registration, Tea/Coffee, Networking, Visiting IGCW Expo**	
9:30 - 9:40		Mentors for the Session Welcome, Acknowledgement, Self-Introduction & Creating Context for the workshop, Introducing Keynote Speaker	
9:40 - 10:15		Dr. David Thaisrivongs, Director - Process Research & Development, **Merck & Co Inc, USA**	**Keynote:** The largest small molecule: Manufacturing process for enlicitide decanoate
10:15 - 10:45		Dr. Ahir Pushpanath, Techno Commercial Director - Biocatalysis, **bitBiome**	Biocatalysis 4.0: Accelerating Green Chemistry from Enzyme Discovery to Commercial Deployment
10:45 - 11:30		**Tea/Coffee Networking Break, Visiting IGCW Expo.**	
11:30 - 12:00		Dr. David Entwistle, Head of Process Chemistry, **Codexis** (Online)	Engineering Enzymes for Cascade Reactions at Tonne Scale
12:00 - 12:30		Dr. Saravanan Jothi, CSO, **Shasunmed Life-Sciences Pvt. Ltd.**	Case studies and research insights on bile acid and steroid biotransformation for industrial relevance
12:30 - 13:00		Dr. Chandrasen Chandwad, Associate GM Biocatalysis - API Research, **Piramal Pharma Ltd.**	Commercial Scale Biocatalysis : Approach and realities
13:00 - 13:30		Mr. Abhijit Rathi, GM-R&D, **Advanced Enzymes Pvt. Ltd.**	Biocatalyst: The future and its role in developing future
13:30 - 14:30		**Lunch Break, Visiting IGCW Expo.**	
14:30 - 15:00		Dr. Santosh Kumar Paridhi, Professor, Department of Biochemistry, **University of Hyderabad**	Hydroxynitrile Lyases in Sustainable Biomanufacture of Chiral Chemicals and Pharmaceutical Precursors
15:00 - 15:30		Dr. Pravin Kumar, Founder, Chairman & CSO, **Kcat Enzymatic Private Limited**	AI-Driven Protein Engineering: Enzymes for Therapeutics and Sustainable Chemical Synthesis
15:30 - 16:15		**Panel Discussion: "Bioprospecting for Novel Enzymatic Routes"** **Moderator:** Dr. Mofazzal Husain **Panel Members:**	
		• Dr. Santosh Kumar Padhi, Professor, Biocatalysis and Enzyme Engineering Laboratory, **University of Hyderabad**	• Dr. Ahir Pushpanath, Techno Commercial Director - Biocatalysis, **bitBiome**
		• Dr. Saravanan Jothi, CSO, **Shasunmed Life-Sciences Pvt. Ltd.**	• Dr. Pravin Kumar, Founder, Chairman & CSO, **Kcat Enzymatic Private Limited**
16:15 - 16:30		Mr. Nagaraj Maddur, Principal Scientist (Biocatalysis), **Advanced Enzymes Technologies Pvt. Ltd.**	Recent advances in biocatalysis: A case study
16:30 - 16:45		Mr. Gladstone Sigamani, CEO, **Kcat Enzymatic Private Limited**	Enzyme Industrial Revolution: from Lab scale to Industry Scale
16:45 - 17:00		Dr. T. Kumaraguru, Senior Scientist - Biocatalysis Lab, Department of Organic Synthesis & Process Chemistry, **CSIR-Indian Institute of Chemical Technology (IICT)**	Role of Biocatalysis in Advancing Sustainable API Process Development
17:00 - 17:10		Mentors for the Session	Closing Remarks & Acknowledgements
17:10 - 18:00		**Tea/Coffeee Break, Visiting IGCW Expo**	