Bate for this Technical Session: Bith October 2025 (Wednesday) Expected No. of Participants: President-R&D, VP-R&D, OM-R&D, OM-Process Development, Senior Scientists Expected No. of Participants: approx. 30 - 041 Objectives: 1. Basics of Bootalayis, recent developments and innovations in the field. 2. Learning from real-world Case studies of Industries Implementing Bio-catalytic processes and technologies. 3. Discussion on Bioprospecting - potential, challenges and way forward. 4. Connecting with potential solution providers offering Biocatalysts, Tools, Technologies and Services around Bio-catalysis. 9:30 - 9:30 hr Registration, Tea/Coffee, Networking, Visiting ICCW Expo 9:30 - 9:40 hr Mentors for the Session Keynote: The largets mail molecule: Manufacturing process for enlicitide decanaate 30 min PPT, 5 min Q&A 9:40 - 10:15 hr Dr. David Entwhistle, Head of Process Image Session Title of Talk awaited 25 min PPT, 5 min Q&A 10:15 - 10:45 hr Dr. David Entwhistle, Head of Process Image Session Title of Talk awaited 25 min PPT, 5 min Q&A 10:30 - 12:30 hr Dr. Chandrasen, Piramal Pharma Ltd. Industrial Case Study 25 min PPT, 5 min Q&A 11:30 - 12:30 hr Dr. Chandrasen, Piramal Pharma Ltd. Industrial Case Study 25 min PPT, 5 min Q&A 13:30 - 13:30 hr	IGCW2025 - Technical Session on Biocatalysis - A Powerful Tool for Green and Sustainable Chemistry				
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12:30 - 13:00 hrDr. Anir Puspanativ, Jectino Commercial Director - Biocatalysis, bitBiome Deployment25 min PPT, 5 min Q&A13:00 - 13:30 hrMr. Abhijit Rathi, GM-R&D, Advanced Enzymes Pvt. Ltd.25 min PPT, 5 min Q&A13:30 - 14:30 hrMr. Abhijit Rathi, GM-R&D, Advanced Institute of Chemical Technology (ICT)Enzymatic route for Bio-surfactant synthesis Enzymatic route for Bio-surfactant synthesis25 min PPT, 5 min Q&A14:30 - 15:00 hrProf. Amit Pratap, Professor & Head, Institute of Chemical Technology (ICT)Enzymatic route for Bio-surfactant synthesis Therapeutics and Sustainable Chemical Synthesis25 min PPT, 5 min Q&A15:00 - 15:30 hrDr. Pravin Kumar, Founder, Chairman & CSO, KCat Enzymatic Solutions Pvt. Ltd.Al-Driven Protein Engineering: Enzymes for Therapeutics and Sustainable Chemical Synthesis25 min PPT, 5 min Q&A15:30 - 16:15 hrNoderator: Dr. Mofazal Husain Panel Members: Dr. Santosh Padhi, University of Hyderabad Dr. Anir Pusphanath, bitBiome Dr. Pravin Kumar, KCat Enzymatic SolutionsPanel Discussion on "Bioprospecting for Novel Enzymatic Routes"45 min Panel Discussion16:15 - 16:30 hrMr. Nagaraj Maddur, Principal Scientist (Biocatalysis), Advanced Enzymes Technologies Pvt. Ltd.7D-GRID-Al Technology: A Technology that translates Enzymes from a Computer to Business with limited lab experiments10 min PPT, 5 min Q&A16:45 - 17:00 hrQuantumzyme (Speaker to be confirmed)Title of Talk awaited10 min PPT, 5 min Q&A17:00 - 17:10 hrMentors for the SessionClosing Remarks & Acknowledgements10 min PPT, 5 min Q&A	12:00 - 12:30 hr	Dr. Chandrasen, Piramal Pharma Ltd.	Industrial Case Study	25 min PPT, 5 min Q&A	
13:00 - 13:30 hrEnzymes Pvt. Ltd.25 min Q&A13:30 - 14:30 hrLunch Break, Visiting IGCW Expo.14:30 - 15:00 hrProf. Amit Pratap, Professor & Head, Institute of Chemical Technology (ICT)Enzymatic route for Bio-surfactant synthesis25 min PPT, 5 min Q&A15:00 - 15:30 hrDr. Pravin Kumar, Founder, Chairman & CSO, KCat Enzymatic Solutions Pvt. Ltd.Al-Driven Protein Engineering: Enzymes for Therapeutics and Sustainable Chemical Synthesis25 min PPT, 5 min Q&A15:00 - 15:30 hrDr. Pravin Kumar, Founder, Chairman & CSO, KCat Enzymatic Solutions Pvt. Ltd.Al-Driven Protein Engineering: Enzymes for Therapeutics and Sustainable Chemical Synthesis25 min PPT, 5 min Q&A15:30 - 16:15 hrDr. Santosh Padhi, University of Hyderabad Dr. Ahir Pushpanath, bitBiome Dr. Saravanan, Shashunmed Dr. Pravin Kumar, KCat Enzymatic SolutionsPanel Discussion on "Bioprospecting for Novel Enzymatic Routes"45 min Panel Discussion16:15 - 16:30 hrMr. Nagaraj Maddur, Principal Scientist (Biocatalysis), Advanced Enzymes Technologies Pvt. Ltd.Recent advances in biocatalysis: A case study translates Enzymes from a Computer to Business with limited lab experiments10 min PPT, 5 min Q&A16:45 - 17:00 hrQuantumzyme (Speaker to be confirmed)Title of Talk awaited10 min PPT, 5 min Q&A17:00 - 17:10 hrMentors for the SessionClosing Remarks & Acknowledgements10 min PPT, 5 min Q&A	12:30 - 13:00 hr	-	from Enzyme Discovery to Commercial	25 min PPT, 5 min Q&A	
14:30 - 15:00 hrProf. Amit Pratap, Professor & Head, Institute of Chemical Technology (ICT)Enzymatic route for Bio-surfactant synthesis25 min PPT, 5 min Q&A15:00 - 15:30 hrDr. Pravin Kumar, Founder, Chairman & CSO, KCat Enzymatic Solutions Pvt. Ltd.Al-Driven Protein Engineering: Enzymes for Therapeutics and Sustainable Chemical Synthesis25 min PPT, 5 min Q&A15:30 - 16:15 hrDr. Santosh Padhi, University of Hyderabad Dr. Ahir Pushpanath, bitBiome Dr. Saravana, Shashunmed Dr. Pravin Kumar, KCat Enzymatic SolutionsPanel Discussion on "Bioprospecting for Novel Enzymatic Routes"45 min Panel Discussion16:15 - 16:30 hrMr. Nagaraj Maddur, Principal Scientist (Biocatalysis), Advanced Enzymes Technologies Pvt. Ltd.Recent advances in biocatalysis: A case study with limited lab experiments10 min PPT, 5 min Q&A16:30 - 16:45 hrMr. Gladstone Sigamani, CEO, K-Cat Enzymatic Solutions Pvt. Ltd.TD-GRID-Al Technology: A Technology that translates Enzymes from a Computer to Business with limited lab experiments10 min PPT, 5 min Q&A16:45 - 17:00 hrQuantumzyme (Speaker to be confirmed)Title of Talk awaited10 min PPT, 5 min Q&A	13:00 - 13:30 hr			25 min PPT, 5 min Q&A	
14:30 - 15:00 hrInstitute of Chemical Technology (ICT)Enzymatic route for Bio-surractant synthesis25 min PPT, 5 min Q&A15:00 - 15:30 hrDr. Pravin Kumar, Founder, Chairman & CSO, KCat Enzymatic Solutions Pvt. Ltd.Al-Driven Protein Engineering: Enzymes for Therapeutics and Sustainable Chemical Synthesis25 min PPT, 5 min Q&A15:30 - 16:15 hrModerator: Dr. Mofazzal Husain Panel Members: Dr. Santosh Padhi, University of Hyderabad Dr. Ahir Pushpanath, bitBiome Dr. Saravanan, Shashunmed Dr. Pravin Kumar, KCat Enzymatic SolutionsPanel Discussion on "Bioprospecting for Novel Enzymatic Routes"45 min Panel Discussion16:15 - 16:30 hrMr. Nagaraj Maddur, Principal Scientist (Biocatalysis), Advanced Enzymes Technologies Pvt. Ltd.Recent advances in biocatalysis: A case study with limited lab experiments10 min PPT, 5 min Q&A16:30 - 16:45 hrMr. Gladstone Sigamani, CEO, K-Cat Enzymatic Solutions Pvt. Ltd.7D-GRID-Al Technology that translates Enzymes from a Computer to Business with limited lab experiments10 min PPT, 5 min Q&A16:45 - 17:00 hrQuantumzyme (Speaker to be confirmed)Title of Talk awaited10 min PPT, 5 min Q&A	13:30 - 14:30 hr	Lunch Break, Visiting IGCW Expo.			
15:00 - 15:30 hrKCat Enzymatic Solutions Pvt. Ltd.Therapeutics and Sustainable Chemical SynthesisZS min PP1, S min Q&A15:30 - 16:15 hrModerator: Dr. Mofazzal Husain Panel Members: Dr. Santosh Padhi, University of Hyderabad Dr. Ahir Pushpanath, bitBiome Dr. Saravanan, Shashunmed Dr. Pravin Kumar, KCat Enzymatic SolutionsPanel Discussion on "Bioprospecting for Novel Enzymatic Routes"45 min Panel Discussion16:15 - 16:30 hrMr. Nagaraj Maddur, Principal Scientist (Biocatalysis), Advanced Enzymes Technologies Pvt. Ltd.Recent advances in biocatalysis: A case study To-GRID-Al Technology: A Technology that translates Enzymes from a Computer to Business with limited lab experiments10 min PPT, 5 min Q&A16:45 - 17:00 hrQuantumzyme (Speaker to be confirmed)Title of Talk awaited10 min PPT, 5 min Q&A17:00 - 17:10 hrMentors for the SessionClosing Remarks & Acknowledgements10 min PPT, 5 min Q&A	14:30 - 15:00 hr		Enzymatic route for Bio-surfactant synthesis	25 min PPT, 5 min Q&A	
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16:15 - 16:30 hr (Biocatalysis), Advanced Enzymes Technologies Pvt. Ltd. Recent advances in biocatalysis: A case study 10 min PPT, 5 min Q&A 16:30 - 16:45 hr Mr. Gladstone Sigamani, CEO, K-Cat Enzymatic Solutions Pvt. Ltd. 7D-GRID-AI Technology: A Technology that translates Enzymes from a Computer to Business with limited lab experiments 10 min PPT, 5 min Q&A 16:45 - 17:00 hr Quantumzyme (Speaker to be confirmed) Title of Talk awaited 10 min PPT, 5 min Q&A 17:00 - 17:10 hr Mentors for the Session Closing Remarks & Acknowledgements Letter to the confirmed)	15:30 - 16:15 hr	Panel Members: Dr. Santosh Padhi, University of Hyderabad Dr. Ahir Pushpanath, bitBiome Dr. Saravanan, Shashunmed		45 min Panel Discussion	
16:30 - 16:45 hr Mr. Gladstone Sigamani, CEO, K-Cat Enzymatic Solutions Pvt. Ltd. translates Enzymes from a Computer to Business with limited lab experiments 10 min PPT, 5 min Q&A 16:45 - 17:00 hr Quantumzyme (Speaker to be confirmed) Title of Talk awaited 10 17:00 - 17:10 hr Mentors for the Session Closing Remarks & Acknowledgements 10	16:15 - 16:30 hr	(Biocatalysis), Advanced Enzymes	Recent advances in biocatalysis: A case study	10 min PPT, 5 min Q&A	
17:00 - 17:10 hr Mentors for the Session Closing Remarks & Acknowledgements	16:30 - 16:45 hr		translates Enzymes from a Computer to Business	10 min PPT, 5 min Q&A	
	16:45 - 17:00 hr	Quantumzyme (Speaker to be confirmed)	Title of Talk awaited		
17:10 - 18:00 hr Tea/Coffeee Break, Visiting IGCW Expo	17:00 - 17:10 hr	Mentors for the Session	Closing Remarks & Acknowledgements		
	17:10 - 18:00 hr		Tea/Coffeee Break, Visiting IGCW Expo		

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

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