

TECHNICAL SESSION ON SOFTWARE & ANALYTICAL TOOLS FOR GREEN & SUSTAINABLE CHEMISTRY

 8th November 2023 | The Westin Mumbai Garden City

Expected Participants:

Senior Scientists (President, VP, GM, Manager, etc) from R&D, Analytical, Quality Control, Process Development

Objectives:

- To learn how large Pharma & Fine Chemical companies drive Green Chemistry using software & analytical tools
- To explore Computational Chemistry, Artificial Intelligence & Machine Learning as tools for Sustainable Chemistry.
- To introduce innovative software tools like Synthia, SciFinder-N, ASKCOS, etc that facilitate Process Research.
- To connect to solution providers offering innovative software & analytical tools that enable Green Chemistry.


 Dr. Rakeshwar Bandichhor, Head, Chemistry - API
 - Process R&D, **Dr. Reddys Ltd.**

Session Mentors


 Dr. Kaustav Chakraborty, Team Leader,
 Laboratory of Advanced Polymer & Organic
 Chemistry, **Solvay Specialty India Pvt. Ltd.**

Timing	Speaker	Topic / Title of Presentation
08:30 - 09:30	Registration, Tea/Coffee, Networking, Visiting IGCW Expo	
09:30 - 09:40	Welcome by Mentors: Acknowledgement, Self-Introduction, Creating Context for the Conference	
09:40 - 10:10	 Dr. Rakeshwar Bandichhor, VP & Head of Chemistry - API R&D, Dr. Reddys Laboratories and Vice-Chair, ACS-India Chapter	Software & Analytical Tools at Dr. Reddy's to drive Innovative Green Chemistry Solutions in Process Research
10:10 - 10:45	 Dr. Gautam Samanta, Director, AGS Pharma Consulting	Design of Experiment (DoE)/Process Analytical Technologies (PAT) as a Complementary tool for Green and Sustainable Chemistry
10:45 - 11:15	 Mr. Avinash Shinde, General Manager (SHE & Instrumentation) Global, Galaxy Surfactants Ltd.	Process Automation to drive safety and lower environmental footprint
11:00 - 12:00	Tea/Coffee Networking Break, Visiting IGCW Expo.	
12:00 - 12:35	 Mrs. Sreelatha Thonthula, Manager Phytochemistry, Advanced Research, Loreal India Pvt. Ltd.	Reverse Iontophoresis-A green analytical tool for quantification of metabolites from botanicals
12:35 - 13:10	 Mr. K. K. Bhagchandani, Chief Business Officer, Axcess Tech Systems Pvt. Ltd.	Enhancing efficiency of Chemistry research with informed decision-making and utilizing Artificial Intelligence/Machine Learning
13:10 - 13:40	 Mr. Sachin Gupta, VP – Digital Innovation & Transformation and Sales, ITRadiant Solutions Inc.	Achieve both environmental and financial sustainability goals leveraging business software with embedded Artificial Intelligence
13:40 - 15:00	Lunch Break, Visiting IGCW Expo.	
15:00 - 15:30	 Mr. Kapil Aggarwal, Director - India, South Asia & GCC, Revvity Signals Software Inc	Empowering Sustainability: The Role of Digitization in Green Chemistry R&D
15:30 - 16:00	 Dr. Ewa Gajewska, Head of Product Management - SYNTHIA™ R&D, Merck Group	Introduction to SYNTHIA™ Retrosynthesis Software Tool
16:00 - 16:30	 Dr. Nabin Sarkar, Application Specialist, American Chemical Society (ACS)	SciFinder® - A powerful tool for process research
16:30 - 17:00	 Prof. Connor Coley, Assistant Professor, Dept. of Chemical Engineering, Dept. of Electrical Engineering & Computer Sciences, Massachusetts Institute of Technology (MIT)	ASKCOS - Software tool for retrosynthesis and prediction of feasible synthetic routes
17:00 - 17:10	Closing Remarks & Acknowledgements by Conference Mentors	
17:10 - 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.