

IGCW2025 - Technical Session on Green Chemistry Tools for Process Research

Venue for IGCW2025: Hotel Westin Mumbai Garden City, Goregaon (E), Mumbai, India

Date for this Technical Session: 7th October'2025 (Tuesday)

Expected Participants: President-R&D, VP-R&D, GM-R&D, GM-Process Research & Development, Technical Transfer, Senior Scientists

Expected No. of Participants: approx. 40 - 50

Objectives:

1. To explore Tools that Pharma/Fine Chemicals Industry is using for Green Chemistry in Process Research.
2. Understanding and applying Pharma Roundtable tools like Solvent Selection Guide, Reagent Selection Guide & PMI.
3. Gain insights and learn from Case Studies of other companies practicing Green Chemistry.
4. Explore opportunities that emerging tools like Mechano-chemistry, Electro-chemistry, Flow-chemistry, etc.

Timing	Speaker, Designation, Company	Topics	Context & Content/Comments
8:30 - 9:30 hr	Registration, Tea/Coffee, Networking, Visiting IGCW Expo		
9:30 - 9:40 hr	Mentors for the Session	Welcome, Acknowledgement, Self-Introduction & sharing work, Creating Context for the workshop, Introducing Keynote Speaker	
9:40 - 10:15 hr	Dr. Chris Senanayak, Founder, CEO & CSO, TCG GreenChem	Keynote: Title of presentation awaited	30 min PPT, 5 min Q&A
10:15 - 10:45 hr	Dr. Bhanu Manjunath, Director - Reseach & Technology Centre, Syngenta Biosciences Ltd.	Title of presentation awaited	25 min PPT, 5 min Q&A
10:45 - 11:30 hr	Tea/Coffee Networking Break, Visiting IGCW Expo.		
11:30 - 11:50 hr	David Thiasrivongs, Director - Process Research & Development, Merck & Co Inc	Tools for innovation from the American Chemical Society's Green Chemistry Institute	20 min PPT
11:50 - 12:10 hr	Dr. Joe Armstrong, Chief Operating Officer, TCG Green Chem	Title of presentation awaited	20 min PPT

12:10 - 12:30 hr	Dr. Narendra Ambhaikar, Head - API R&D (India Region), Piramal Pharma Ltd.	Title of presentation awaited	20 min PPT
12:30 - 12:50	Dr. K. Raja, Head - R&D, Godrej Industries Ltd. (Chemicals)	Integrating Green Chemistry Principles in Oleochemical and Specialty Chemicals Process Development	20 min PPT
12:50 - 13:15 hr	Moderator: Dr. Sudhir Nambiar, CMC Head Small Molecules, Syngene International Ltd.	Q&A and Open Discussion	25 min Q&A and Open Discussion
13:15 - 14:30 hr	Lunch Break, Visiting IGCW Expo.		
14:30 - 15:00 hr	Dr. John Warner, Founder, The Technology Green House	Title of talk awaited (Topic - Mechanochemistry as a tool for Green Chemistry)	25 min PPT, 5 min Q&A
15:00 - 15:30 hr	Dr. Surya Manisha Inukonda, Sr. Process Engineering Scientist - API, IPDO, Dr. Reddys Laboratories Ltd.	A Versatile Flow Electrochemical Methodology for the Manufacturing of Pharmaceutically Relevant Sulfoxides and Sulfones from Thioethers	25 min PPT, 5 min Q&A
	Tools by ACS Green Chemistry Institute Pharmaceutical Roundtable (GCIPR), USA		
15:30 - 16:00 hr	Green Chemistry Institute Pharmaceutical Roundtable (GCIPR), USA Presentation 1	Solvent & Reagent Selection Guide	25 min PPT, 5 min Q&A
16:00 - 16:30 hr	Green Chemistry Institute Pharmaceutical Roundtable (GCIPR), USA Presentation 2	Process Mass Intensity (PMI) and LCA Tools	25 min PPT, 5 min Q&A
16:30 - 17:00 hr	Green Chemistry Institute Pharmaceutical Roundtable (GCIPR), USA Presentation 3	Flow Chemistry in API Synthesis	25 min PPT, 5 min Q&A
17:05 - 17:20 hr	Exhibitor Presentation: Ms. Ashwini Gunnal, Head - R&D, Newreka GreenSynth Technologies Pvt. Ltd.	Title of presentation awaited (Topic - Tool for selective reduction of Nitro Groups)	10 min PPT, 5 min Q&A
17:20 - 17:30 hr	Mentors for the Session	Closing Remarks & Acknowledgements	
17:30 - 18:00 hr	Tea/Coffee Break, Visiting IGCW Expo		

Industry Mentors: Dr. Sudhir Nambiar, CMC Head Small Molecules, Syngene International Ltd.
Dr. Rakesheshwar Banddichor, VP & Head, Chemistry - API - Process R&D, Dr. Reddy's Laboratories