IGCW2025 - TECHNICAL SESSION ON GREEN ENGINEERING FOR PROCESS SAFETY & BENIGN ENVIRONMENT

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

Session Mentors

Dr. Sandeep Jain,
Sr. Director - Special Technologies,
PI Industries Ltd.

Dr. Suhas Jawlekar,
Associate Director - Process Engineering, Polymorph development & New technology,
Dr. Reddy's Labs Ltd.

Timing		Speaker, Designation, Company	Topic / Title of Presentation
08:30 - 09:30		**Registration, Tea/Coffee, Networking, Visiting IGCW Expo**	
09:30 - 09:40		Mentors for the Session Welcome, Acknowledgement, Self-Introduction & Creating Context for the workshop, Introducing Keynote Speaker	
09:40 - 10:15		Mr. Pradeep Kumar Jain, COO, **PI Industries Ltd.**	**Keynote:** Green Engineering for Process Safety and Benign Environment
10:15 - 10:50		Dr. Ralph Zhao, Sr. Principal Scientist, Environmental and Process Safety Engineering (EPSE) Lead, **Merck & Co Inc, USA**	**Keynote:** Chemical Process Safety Testing Considerations for Pharmaceutical Scale-Up from Lab to Plant
10:50 - 11:30		**Tea/Coffee Networking Break, Visiting IGCW Expo.**	
11:30 - 12:00		Dr. Sandeep Mohanty, Head - API Synthetic & Oncology R&D, **Biocon Ltd.**	The Flow: A Human Centered Sustainability in Green Manufacturing - A Philosophical Framework
12:00 - 12:30		Mr. Sangam Shaha, Manager - Process Engineering, **BASF Chemicals India Pvt. Ltd.**	Sustainability Engineering – Energy Transformation and Heat Recovery
12:30 - 13:00		Ms. Pallavi Dhonde, Application Expert - Autochem, **Mettler Toledo India Pvt. Ltd.**	Prowess of mechanistic modelling in sustainable scale up of a coumarin intermediate
13:00 - 13:30		Mr. Bhavik Shah, Head - Flow Chemistry, **UPL ltd.**	Greening a Legacy Batch Process via Flow
13:30 - 14:30		**Lunch Break, Visiting IGCW Expo.**	
14:30 - 15:15		**Panel Discussion: "How new emerging technologies can make processes greener and safer?"** **Panel Moderator:** Dr. Suhas Jawlekar, Associate Director - Process Engineering, Polymorph development & New technology, **Dr. Reddy's Laboratories Ltd.**	
		• Dr. Sandeep Mohanty, Head - API Synthetic & Oncology R&D, **Biocon Ltd.**	• Dr. Ralph Zhao Sr. Principal Scientist, Environmental and Process Safety Engineering (EPSE) Lead, **Merck & Co Inc.**
		• Dr. Sandeep Jain - Sr. Director - Special Technologies, **PI Industries Ltd.**	• Dr. Vishwanath Dalvi - R. A. Mashelkar Assistant Professor, Department of Chemical Engineering, Institute of Chemical Technology
15:15 - 15:45		Dr. Gopal Kasat, Project Manager, **Tridiagonal Solutions**	Good Mixing Makes Money
15:45 - 16:15		Dr. C. S. Mathpati, Associate Professor, Dept. of Chemical Engineering, **Institute of Chemical Technology (ICT)**	Scale-up Aspects in Multiphase Reactions: Role of Rate Controlling Steps
16:15 - 16:30		Dr. Chandrakant Gadipelly, Head of Flow Reactors, **Amar Equipment Pvt. Ltd.**	Rethinking Aromatic Nitration: Sustainable Continuous Flow Technology without Mixed Acids
16:30 - 16:45		Dr. Makrand Pimplapure, MD, **MaxSpeed Technologies Pvt. Ltd.**	From Lab to Production: Safer and Greener Chemical Processes Using Flow Technology
16:45 - 17:00		Mr. Abhijeet Kulkarni, MD & CEO, **Proburgeon Pvt. Ltd.**	Implementation of Flow Reactor Technology as a greener Production route
17:00 - 17:15		Mr. Chandrakant K Sethia National Head – Sales & Business development, **Corning Advanced-Flow Reactor (AFR) Technologies**	Efficiency, Innovation, and Sustainability: "Continuous chemical manufacturing with Corning AFR"
17:15 - 17:25		Mentors for the Session	Closing Remarks & Acknowledgements
17:25 - 18:00		**Tea/Coffeee Break, Visiting IGCW Expo**	