

## Conference on "Green Chemistry for Pharma/API Industry Sector"

**Date:** 17th October'2019 (Thursday)

**Expected Participants:** CEO, Directors, President, VP, GM, Senior Representatives from Pharmaceutical Industry.

**Expected No. of Participants:** 75+

- Objectives:**
1. To share various business, regulatory, supply chain dynamics happening globally in Pharma Industry related to sustainability.
  2. To share Green Chemistry initiatives, successful case studies, tools, techniques & best practices by large pharma companies.
  3. To discuss need & relevance of Process Safety in Pharma Industry and share best practices.
  4. To share recent innovations like Flow Chemistry & its successful implementation in Pharma Industry.
  5. In Green Chemistry, identify challenges, gaps, mindset issues and discuss learnings from experiences of India & China.

Timing	Speaker, Designation, Company	Topics	Context & Content/Comments
9:00 am - 9:30 am	Green ChemisTree Foundation Representatives	Welcome, Acknowledgement, Creating Context for IGCW2019, Launching IGCW App	
9:30 am - 10:15 am	Dr. Johannes Benkhoff, Sr. Vice President - Group Chemical Research, Clariant Produkte (Deutschland) GmbH, Germany	Day II Inaugural Keynote Address (Main Auditorium): <b>Going green in chemistry – the Clariant innovation journey</b>	Global trends in environment & sustainability, changing regulatory dynamics for chemical industry, expectations of MNCs from their supply chain, Clariant's initiatives & case study in Green Chemistry & Sustainability.
10:15 am - 11:00 am	<b>Tea/Coffee Networking Break, Visiting IGCW Expo. After break, move to Seminar Halls for parallel sessions.</b>		
11:00 am - 11:15 am	Welcome and Introduction to the Conference on "Green Chemistry for Pharma/API Industry Sector" by Dr. Rahul Purwar, Associate Professor, Dept. of Biosciences & Biotechnology, IIT-Bombay, India		
11:15 am - 11:45 am	Dr. Guy Humphrey, Distinguished Scientist, Merck, Sharp & Dohme (MSD), USA	<b>Keynote:</b> Business Case for Green and Sustainable Chemistry Development at MSD	Business case for Green Chemistry
11:45 am - 12:15 pm	Dr. Rajesh Kumar, Chair Pfizer WRD Green Chemistry Team & Associate Research Fellow, Biocatalysis Group, Pfizer Inc., USA	Pfizer's Green Journey – Working for a Sustainable Future	Green Chemistry at Pfizer - initiatives, tools & techniques being used, successful case studies
12:15 pm - 12:45 pm	Mr. Anil Kumar Jain, CEO - API Business, Sun Pharmaceutical Industries Ltd., India		Sustainability & Green Chemistry Initiatives at Sun Pharma - solvent & water savings, flow chemistry, waste reduction, etc
12:45 pm - 2:00 pm	<b>Lunch Break, Visiting IGCW Expo</b>		

2:00 pm - 2:30 pm	Dr. Ganesh Sambasivam, Co-Founder & CSO, Anthem Biosciences Pvt. Ltd., India	Anthem's Approach Towards Greener Chemistry	Greener approaches to in chemical processes to reduce effluent end and make it safer
2:30 pm - 3:00 pm	Dr. Rakeshwar Bandichhor, Head, Chemistry-API-PR&D, IPDO, Dr. Reddys Laboratories Ltd., India	Chemistry Connect between Flow and Green: An Industrial Perspective	Flow Chemistry application in to API manufacturing
3:00 pm - 3:30 pm	Dr. Chuck Orella, Director Chemical Engineering R&D, Merck & Co. Inc., USA	Process Safety Journey - Learn from the Past and Improve the Future	Learnings in Process Safety, best practices & tools to achieve process safety
3:30 pm - 4:15 pm	Tea/Coffee Break, Visiting IGCW Expo		
4:15 pm - 4:45 pm	Mr. Harish Verma, Vice President & Global Head - EHS, Cipla Ltd., India	Role of EHS in Scaling-up API Manufacturing from Lab to Plant	Role of EHS in Scaling-up API Manufacturing from Lab to Plant
4:45 pm - 5:30 pm	<b>Moderator:</b> Dr. Dhileep Krishnamurty, Mr. Paul Guo (Astatech, China), Mr. Steve Feng (Zhejiang, China), Dr. Sudhir Nambiar (Hikal)	<b>Panel Discussion:</b> Green Chemistry Implementation in Industry - luxury or necessity? Building from experiences from India & China	
5:30 pm - 6:00 pm	Tea/Coffee Break, Visiting IGCW Expo		
6:00 pm - 6:30pm	<b>IGCW2019 Completion Ceremony</b>		

**Industry Mentor:**

Dr. Sudhir Nambiar, President - Research & Technology, Hikal Ltd., India

**IIT Mentor:**

Dr. Rahul Purwar, Associate Professor, Dept. of Biosciences & Bioengineering, IIT-Bombay, India

**Potential Speakers:**