

Online Refresher Course on  
**"CHEMICAL ENGINEERING FOR PLANT PERSONNEL"**  
on 25 – 26 November 2021

**Brief Profile of Speakers**

**O.P. GOYAL**

Mr. Om Prakash Goyal is a Chemical Engineer with a Bachelor's Degree from IIT-Roorkee and Masters from the University of Waterloo, Canada. He worked for about 35 years with ESSO/HPCL, Mumbai; PDVSA, South America; Herdillia Chemicals, Mumbai and H&G/Jacobs Engineering, Mumbai. For the last two decades, he has been a member of the Technology and Energy Expert Committee of the Indian Chemical Council; and has been teaching for as much time a variety of courses at the Institute of Chemical Technology, Mumbai. Concurrently for about a decade he also taught at D.J. Sanghvi College of Engineering, Mumbai.

During last four decades he has written extensively on a variety of technical and management topics for international publications including Hydrocarbon Processing and McKetta's Encyclopedia of Chemical Processing and Design, of whose international advisory board, he was also a member. He has published a book on Petroleum Refining Technology and Management, and in all about 200 articles.

**K. SAHASRANAMAN**

K. Sahasranaman (KS) is a chemical engineer from UDCT (ICT) and IIT-B. He has long years of experience with engineering design companies and has been involved in basic and detailed engineering and start-up of many large projects in various sectors. He was with Uhde India for 27 years, from where he superannuated as Vice President and Head of Engineering in 2016. Since then, he has been a freelance consultant and has chaired more than 20 Hazop Studies.

KS was elected twice to the national council of Indian Institute of Chemical Engineers. He has been a member of the Technology and Energy committee of ICC since 2006. He is a BEE certified Energy Auditor and also a visiting faculty at ICT. He is a prolific writer and writes a regular monthly column "chemengineering" in Chemical Industry Digest for last 58 months.

**PARAG GOGATE**

Dr. Parag Gogate is Professor of Chemical Engineering at Institute of Chemical Technology (ICT), Mumbai. He obtained all his degrees B. Chem. Eng., M. Chem. Eng. and Ph.D. (Tech.) from ICT. His main research interests include Cavitation phenomena, Wastewater treatment, Design of Multiphase reactors, Separation Processes and Process Intensification. Dr. Gogate is consultant to many industries in process intensification, process improvement and Wastewater treatment. He has published over 325 research papers in international journals, has written 25 chapters in books, has delivered globally over invited talks/seminars and also participated in numerous international conferences.

Dr. Gogate has received many awards from National academies in India and is Fellow of Indian National Academy of Engineering (INAE), New Delhi and IChemE UK; has been involved in many international collaborations including with INPT, Toulouse, France; University of Cape Town, South Africa; TUHH, Hamburg, Germany, University of West Hungary, Hungary and University of Abertay Dundee, Scotland. He was a Visiting Associate Professor at Purdue University, USA in 2010.

## **PRAKASH D. VAIDYA**

Professor Prakash Vaidya is Rashtriya Chemicals and Fertilizers Chair in the Chemical Engineering Department at the Institute of Chemical Technology in Mumbai. He is an expert in “kinetics and catalysis” and “reactions and separations”. He works in the area of energy transition, especially promotion of carbon footprint reduction in the energy systems during the transition, e.g., by carbon dioxide capture and its chemical recycling, and improved production of hydrogen and biofuels. His experience in teaching and research is around 15 years. So far, he has authored 105 publications (Google Scholar H-index=30, no. of citations=4220; Scopus H-index=27, no. of citations=3300) and 3 patents, and successfully guided 24 PhD scholars. He has been a Humboldtian, Liverpool University’s India Fellow and Fellow of the Maharashtra Academy of Sciences.

## **SUJIT JOGWAR**

Dr. Sujit Jogwar is currently an Associate Professor in the department of Chemical Engineering at IIT Bombay. He received his undergraduate degree (Bachelor of Chemical Engineering) from the Institute of Chemical Technology, Mumbai (formerly UDCT) and Ph.D. in Chemical Engineering from the University of Minnesota, USA. He has 15 years of research experience split between industrial R&D and academia. His research aims at developing design, scheduling and advanced control tools for sustainable processes, with special emphasis on energy integration. He has conducted Process Dynamics and Control courses at Universities (University of Minnesota, ICT Mumbai, HBNI, NPTEL/Swayam and IIT Bombay) as well as Industries (Praxair Inc., BPCL, BORL, GAIL, Asian Paints, Lubrizol, Indian Chemical Council).

Dr. Jogwar is a recipient of Dr. G.P. Kane (Mumbai) University Gold Medal (2006), prestigious Doctoral Dissertation Fellowship from the University of Minnesota (2010-11), Prof Krithi Ramamritham Award for Creative Research (2018), Journal of Process Control Best Paper Award (2017) and Smt. Padma Kelkar Endowment Award for Encouragement to New Chemical Engineering Faculty (2014). He is an associate editor for Journal of Process Control and Journal of Digital Chemical Engineering.

## **ARVIND KAUSHIK**

Mr. Arvind Kaushik, a graduate of chemical engineering from IIT Roorkee and post graduate from IIT Kanpur has 35 years of experience in the design of thermal equipment, heat integration, Process Hazard Analysis, Loss prevention, energy conservation in process plants, dynamic simulation of process/ power plants and commissioning of plants in oil and gas sector. He served several reputed organizations such as Larsen & Toubro (L&T), Forbes Marshall, Sulzer India Limited, The Energy and Resources Institute, (TERI) New Delhi, and Hindalco Industries Limited. Recently, he retired from L&T as Jt. General Manager (Advance Value Engineering and Technology Vertical of L&T Hydrocarbon) while leading a team of Mechanical and Chemical Engineers in the Thermal Engineering Group of L&T R&D, Mumbai.

Now, he is a freelance consultant on heat integration, equipment trouble shooting, energy optimization and process safety, current areas of interest being renewable energy technologies: Solar thermal energy, Green Hydrogen, thermal energy storage systems, dynamic simulation of power plants, energy optimization of industrial processes and commissioning and trouble-shooting of process equipment. He worked as Commissioning Manager at GASCO near Abu Dhabi for the gas gathering station and the Aviation turbine kerosene storage and handling system at KNPC Kuwait.