



**Department of Chemistry**

**A session on Chemistry & Industry- An Outlook**

The Department of Chemistry is going to host a Technical Session entitled “**Chemistry & Industry- An Outlook**” on 22-Aug-2015. The session will focus on the role of chemists from industrial perspective. Various aspects including current trends in Research & Development, safety aspects, environment in chemical laboratories, various opportunities for chemists in a chemical industry including **Job Opportunities** will be discussed. The target audience is PhD Scholars, UG students, other interested people and Faculty colleagues.

**Venue: L202 on 22-Aug-2015, at 11.00 AM**

**Tentative Programme**

Welcome Note (11.00 AM to 11.10 AM)
<b>Lecture 1:</b> by <b>Dr. Kamlesh Pai Fondekar</b> (11.10 AM to 12.10 PM) <b>Topic 1:</b> HSE in Chemical Laboratories <b>Topic 2:</b> Opportunities for Chemists in Industry
<b>Lecture 2:</b> by <b>Dr. Dr. Vidyadhar Jadav</b> (12.10 PM to 1.10 PM) <b>Topic 1:</b> Introduction to Pharma Industry <b>Topic 2:</b> Green drive in Synthesis
Concluding Remarks (1.10 PM to 1.15 PM)

**Coordinator:** Dr. Mainak Banerjee





## About Speakers:

- **Dr. Kamlesh Pai Fondekar** is currently heading the Technology and Engineering division of Syngenta India Limited, Corlim, Goa. He obtained his Ph.D. (Organic Chemistry) from Goa University in 1998. He was UGC-DAAD fellow with University of Bonn and University of Freiburg. He has postdoctoral experience from universities of repute like the University of Strathclyde, Glasgow, UK and the University of Freiburg, Germany. He has 20+ years of rich experience in Chemical Research & Development and Technical services and held top positions in Ciba, Dr Reddy Laboratories, NALCO etc. He has 11 International Publications and 7 patents on his credit.

**Abstract:** Working in a chemical laboratory is an essential part of a Chemist. Everyday, we deal with highly dangerous chemicals and therefore we need to ensure that we handle, use and dispose chemicals in a correct way. Talk will address various aspects of Health, Safety and Environment in chemical laboratories. In the second part of talk, Various opportunities for a chemists a chemical industry will be discussed.

- **Dr. Vidyadhar Jadav** is the HOD, VERGO Organics, Goa. He obtained his Ph. D. in Organic Synthesis from The Institute of Science, Mumbai in 2000, followed which he went for Post-Doc at Korea Advanced Institute of Science and Technology, South Korea and then at Indiana University-Purdue University Indianapolis at USA. He has got **14 years of experience in Pharmaceutical Industries** while working at top pharmaceutical companies like Boeringer Mannheim, Nicholas Piramal, ThinQ Pharma etc. He has 11 International Publications and 7 patents on his credit.

**Abstract:** *This lecture will be split into two parts*, first half includes introduction to Indian Pharma Industry. Different topics are considered e.g. future growth of Pharma Industry, functional departments and their roles in Pharma Industry, scope for Chemistry Students in Pharma Industry.

Second half talk will be on green drive in chemical (API) synthesis. Considering importance of *Green Chemistry* or sustainable Chemistry in recent years in all type of chemical Industries. One of important criteria of *Green Chemistry* is reaction media. Recently “water” as a reaction media becomes research interest across academia as well Industry. Some interesting examples will be discussed where water is used as green alternative to traditional solvents for carrying out reactions.

