



**DEPARTMENT OF  
CERTIFICATE  
COURSE IN  
CHEMICAL SAFETY &  
RISK MANAGEMENT**

## PREFACE



### Dr. P. D. VAIDYA

B. E. (Chem. Eng.), M. Chem. Eng., Ph.D. (Tech.) in Chem. Eng.

Rashtriya Chemicals and Fertilizers Associate Professor of Chemical Engineering

Coordinator, Certificate Course in Chemical Safety and Risk Management

This course is designed for all the post-graduate researchers in the Institute of Chemical Technology. It is also suitable for young professionals employed in the chemical and allied industries. In this course, several useful topics are taught (lectures 45; 3 h/week): safety and risk management; material hazards; hazard evaluation and risk assessment techniques; laboratory safety; handling, storage and transportation of hazardous chemicals; safety devices; utilities; radiation safety; environmental impact

assessment; management practice in SHE plant operation; fire safety; introduction to REACH and OSHA; and bio-safety. This course commenced in July 2015 and is taught in every semester. The performance of the participants is assessed using continuous tests and an end-semester examination. Dr. P. D. Vaidya is the Course Coordinator. The following faculty members, who are renowned experts from the academia and industry, are teaching around 120 students in every batch:

1. Prof. P. K. Ghosh
2. Dr. L. M. Gantayet
3. Dr. S. A. Nadgouda
4. Mr. V. V. Bhujle

As part of this course, three 3-day seminars titled "ORIENTATION TO CHEMICAL SECURITY RISK MANAGEMENT" were organized between January 29-31, September 24-26 and September 26-28, 2018. Dr. Cecelia V. Williams, Dr. Lisa A. Gribble and Dr. Andrew W. Nelson (SANDIA National Laboratories, USA) participated in these lecture series.

