

INTERNAL QUALITY ASSURANCE CELL

organizes

**ONE-DAY WORKSHOP
ON
LABORATORY SAFETY**

Chief Guest

Sri. Nagaraja Shambhat

Manager, Safety, Health & Environment
BASF India Ltd., Katipalla, Mangalore

President

Prof. P. Subrahmanya Yadapadithaya

Hon'ble Vice Chancellor, Mangalore University

Date: 6th September 2022 | **Time:** 9:30 am

Venue: Prof. M. N. Vishwanathaiah Seminar Hall
Lecture Hall Complex

All are cordially invited

Prof. Manjunatha Pattabi

Dean, Faculty of Science and Technology
& Director, IQAC

Prof. Kishore Kumar C. K.

Registrar

Prof. Vishalakshi B.

Deputy Director, IQAC

Prof. Monika Sadananda

Deputy Director, IQAC

**ONE-DAY WORKSHOP
ON
LABORATORY SAFETY**

06 September, 2022

About the Workshop

Good lab practices are an integral part of conducting experiments safely. Many laboratories contain significant risks. Examples of risk factors include high voltages, high and low pressures and temperatures, corrosive and toxic chemicals and chemical vapours, radiation, fire, explosions, and biohazards including infective organisms and their toxins. Prevention of laboratory accidents requires great care and constant vigilance. Measures to protect against laboratory accidents include safety training and enforcement of laboratory safety policies, safety review of experimental designs, the use of personal protective equipment.

In this workshop we intend to provide awareness to Laboratory Assistants, Laboratory Technicians and Laboratory Attenders on safe storage and handling of chemicals, handling accidental spillages, biosafety and hands-on training to handle accidental fire hazards in laboratories.

Programme

Time	06 th September 2022
9:30 – 10:15 am	Inauguration Message by Hon'ble Vice Chancellor
Session 1:	
10:15 – 11:15 am	Topic: Safe Handling, Transportation and Disposal of Chemicals Sri. Nagaraja Shambhat, Manager, Safety, Health & Environment, BASF India Ltd., Katipalla, Mangalore
11:15 - 11:30 am	Tea Break
Session 2:	
11:30 am -12:30 pm	Topic: Basic Lab Safety and First aid Techniques Sri. Shivarama B., Senior Executive, Process R & D, Syngene International Ltd., MSEZ, Mangalore
12:30 – 1:30 pm	Lunch Break
Session 3:	
1:30 – 2:30 pm	Topic: Fire and Laboratory Safety Prof. K. S. Uday Kumar, Mangalore Institute of Fire & Safety Engineering (MIFSE).
Session 4:	
2:30 – 3:30 pm	Topic: Hazards in Lab & Ensuring Safety in Lab Prof. Makbul Sheriff, Mangalore Institute of Fire & Safety Engineering (MIFSE).
3:30 -3:45 pm	Tea Break
Session 5:	
3:45 - 4:45 pm	Topic: Biosafety, biohazards and good laboratory practices Dr. Rekha P. D., Professor & Deputy Director, Yenepoya Research Centre, Yenepoya Deemed to be University, Deralakatte, Mangalore.
4:45 - 5:30 pm	Valedictory Feedback



One-Day workshop on Laboratory Safety organised on 06-09-2022

Report

Good lab practices are an integral part of conducting experiments safely. Many laboratories contain significant risks. Examples of risk factors include high voltages, high and low pressures and temperatures, corrosive and toxic chemicals and chemical vapours, radiation, fire, explosions, and biohazards including infective organisms and their toxins. Prevention of laboratory accidents requires great care and constant vigilance. Measures to protect against laboratory accidents include safety training and enforcement of laboratory safety policies, safety review of experimental designs, and the use of personal protective equipment. In this workshop we intend to provide awareness to Laboratory Assistants, Laboratory Technicians and Laboratory Attenders on safe storage and handling of chemicals, handling accidental spillages, biosafety and hands-on training to handle accidental fire hazards in laboratories.

Mangalore University has a very strong Science Faculty that offers close to 28 Science Programmes that include use of a laboratory, either dry lab or wet lab. In keeping with the requirements of Science programmes, the University has recruited qualified lab Assistants for each of the Programmes. These lab assistants are attending this Workshop to broaden their horizons and learn how to deal with hazards in the laboratory hands-on.

The Chief Guest at the Inauguration was Sri Nagaraja Shambhat, Manager, Safety, Health & Environment, BASF India Ltd., Katipalla, Mangalore. Prof. K. S. Jayappa, Finance officer, Mangalore University inaugurated the Workshop.

The first session was on Safe Handling, Transportation and Disposal of Chemicals by Sri Nagaraja Shambhat, Manager, Safety, Health & Environment, BASF India Ltd., Katipalla, Mangalore.

The next session was on Basic Lab Safety particularly pertaining to Electricity and First aid techniques by Sri Shivarama B., Senior Executive, Process R & D, Syngene International Ltd., MSEZ, Mangalore.

The third session was on Fire and Laboratory Safety by Prof. K. S. Uday Kumar, Mangalore Institute of Fire & Safety Engineering (MIFSE) who also elaborated on Safety measures to be followed in laboratories and Do's & Don'ts.

The fourth session was on the Hazards in Lab & Ensuring Safety on Lab by Prof. Makbul Sheriff, Mangalore Institute of Fire & Safety Engineering (MIFSE), who gave an energetic session on categories of hazards, risks and safety in the Laboratory using anecdotes and examples from real life.

The last session was on Biosafety, biohazards and good laboratory practices by Dr. Rekha P. D., Professor & Deputy Director, Yenepoya Research Centre, yenepoya Deemed to be University, Deralakatte, Mangalore.

The sessions were interactive and hands-on training was provided on fire extinguisher handling and maintenance.

Around 50 Lab assistants, attenders and PhD students attended the sessions and benefitted from the one-day Workshop on laboratory safety.

