

A Brief Report on

“One Week Training Program for Laboratory Staff”

**Organized by Department of Bioengineering, Integral University, Lucknow
from 1st August 2022 to 6th August 2022**

The department of Bioengineering, Integral University, Lucknow has organized a “**One Week Training Program for Laboratory Staff**” from **1st August 2022 to 6th August 2022** in hybrid mode. The objective of the training session was to enhance the professional knowledge and skill of laboratory staff for the demonstration of experiments and Standard Operating Procedures (SOP) of equipment. Interactive lectures delivered by faculty experts specialized in various fields followed by discussion and question-answer sessions with the supporting staff. In total nine technical sessions were addressed by the respective speakers as per the following schedule. The training Program included visit to CSIR-CDRI to expose the laboratory staff to the Lab functioning of institutes of repute to improve their laboratory maintenance skill.

Day 1: Aug 1

- Microbial Lab Practice by **Dr. Roohi**, Associate Professor, Bioengineering Department, Integral University, Lucknow. (Face to face)
- Food Technology Lab Practice by **Dr. Kaiser Younis**, Assistant Professor, Bioengineering Department, Integral University, Lucknow. (Face to face)

Day 2: Aug 2

- Techniques of Plant Tissue Culture by **Dr. Aisha Kamal**, Associate Professor, Bioengineering Department, Integral University, Lucknow. (Face to face)
- SOP of instruments by **Mr. Adnan Ahmad**, Assistant Professor, Bioengineering Department, Integral University, Lucknow. (Face to face)

Day 3: Aug 3

- Techniques of Animal Tissue Culture by **Prof. Iffat Zareen Ahmad**, Professor, Bioengineering Department, Integral University, Lucknow. (Online mode)

Day 4: Aug 4

- Hepatotoxic Effects of Organophosphorus Flame Retardants (OPFRs): From the Perspective of Cell Dysfunctioning and Transcriptomic Alterations by **Dr. Quaiser Saquib**, Associate Professor of Molecular Toxicology, Coordinator DNA Research Chair, Department of Zoology, College of Sciences, King Saud University. (Face to face)
- Preparation of laboratory manual by **Dr. Alvina Farooqui**, Head and Associate Professor, Bioengineering Department, Integral University, Lucknow. (Face to face)

Day 5: Aug 5

- Bioreactor: Design, Operation, and Analysis by **Dr. Ashish**, Assistant Professor, Bioengineering Department, Integral University, Lucknow. (Online mode)

Day 6: Aug 6

- Bioinformatics: Facilitating Drug Discovery and Data-Powered Health by **Dr. Mohd. Kalim Ahmad Khan**, Associate Professor, Bioengineering Department, Integral University, Lucknow. (Online mode)

Key Highlights of the Training

- Registered Participants: **11**
- Overall, **09 sessions** were organized
- The session was organized in **hybrid mode** (Face to face and online)
- The learning was assessed by a quiz on the **Google platform**.
- A "**Certificate of Completion**" was given to all the successful participants
- Visit CSIR-CDRI to expose the laboratory staff to the Lab functioning of institutes of repute to improve their laboratory maintenance skill

Contributions:

This training program couldn't be possible without the constant support and motivation from **Prof. Syed Waseem Akhtar**, Hon'ble Chancellor and Founder, Integral University, **Dr. Syed Nadeem Akhtar**, Hon'ble Pro-Chancellor, **Prof. Javed Mussarrat**, Hon'ble Vice-Chancellor, **Prof. Aqil Ahmad**, Hon'ble Pro Vice Chancellor, **Prof. Mohd. Haris Siddiqui**, Registrar and **Prof. (Dr.) Syed Aqeel Ahmad**, Director, Human Resource Development Centre. The design of training sessions, arrangement of highly qualified speakers and overall training event management was efficiently done by **Dr. Alvina Farooqui**. Other training-related activities like the design of quiz, feedback form and analyses were coordinated by **Dr. Aisha Kamal** and **Dr. Archana Vimal**. Audio-visual and technical support was well delivered by **Mr. Gyanendra**, **Mr. Suhail**, **Mr. Faizan** and **Mr. Shadif**.

The participants attended the training with dedication. All the participants were curious, enthusiastic and responsive throughout the sessions. The training concluded with excellent feedback and positive response from all participants as they found the sessions to be insightful, informative, inspiring, and enriching.

