

Training on Instrumentation concluded at TFRI, Jabalpur

A three days online training course “**Training on Instrumentation**” initiated on 27th October, 2021, was concluded on 29th October, 2021 at Tropical Forest Research Institute, Jabalpur. TFRI, a premier National Research Institute has a wide range of scientific instruments covering almost all disciplines of biological sciences including analytical chemistry. As part of innovative initiatives to empower the scientific community, this training programme was designed. The core design of this training programme was to enhance the skills and abilities of the participants on a wide range of instrumentation such as HPLC, HPTLC, PCR, Gel Electrophoresis, Spectrophotometer and Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES). This programme consisted of lectures as well as practical demonstrations through both modes offline as well as virtual. Participants were students, research scholars and scientists from different places.

At the outset, the training programme was initiated by the inaugural address by esteemed Director, TFRI, Dr. G. Rajeshwar Rao. While addressing the house, Director highlighted the rapid advancements in the field of science require a thorough understanding of underlying principles and essential know how of instruments, techniques and principles behind it. Instrumentation techniques keep advancing with advancement in both science and technology. In order to continue to engage in quality research, it is necessary to keep oneself abreast on the modern techniques as they evolve through training. Dr. Hari Om Saxena, Scientist-D and Course Director of this training programme welcome the participants and briefed the training activities. Dr. Naseer Mohammad, Scientist-D and Co-Course Director of the training programme proposed the vote of thanks.

During the training, lecture on HPLC, HPTLC technique & their applications was delivered by Dr. Hari Om Saxena, Scientist -D, lectures on Extraction, Purification and Quantification of DNA and PCR technique & its

applications by Dr. Naseer Mohammad, Scientist -D of TFRI. Dr. R.K. Meena, Scientist – D explained about the development and application of SSR markers in forestry tree species, Dr. Ashish Kumar, Assistant Professor, JNKVV, Jabalpur talked on Conventional and molecular detection of fungal and bacterial plant pathogens of forest trees, Dr. Arun Kakkar, Professor of Govt Science College, RDVV, Jabalpur delivered a lecture on UV-Visible Spectrophotometer & its applications and Dr. Nidhi Mehta, ACTO, TFRI explained the working, principle and demonstration on Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

The training was concluded on 28th October, 2021. The Group Co-ordinator Research, TFRI, Dr (Mrs.) M. Kundu chaired the session. She appreciated the efforts of Course and Co-Course Director for successfully organizing the event and all resource persons to enrich the participants with advanced instrumental techniques. She wished the participants all success in their future endeavor. During the feedback session the training participants praised and appreciated TFRI for organizing such a nice and diversified training course on instruments which will definitely help the learners, especially the young budding scholars in carrying out research works. The programme ended with vote of thanks by Dr. Naseer Mohammad, Scientist-D and Co-Course Director.

Glimpses of the training programme



