

**Hands-on Training on**  
**“HPLC & GC/MS/MS: Instrumentation, principle, function and application”**  
**on 18<sup>th</sup> July, 2023, at**  
**ICFRE-Institute of Forest Genetics and Tree Breeding, Coimbatore.**

The ICFRE-Institute of Forest Genetics and Tree Breeding, Coimbatore organized a one day hands-on training on **“HPLC & GC/MS/MS: Instrumentation, principle, function and application”** for students, research scholars, academicians and industrial personnel on 18<sup>th</sup> July, 2023. The training aimed to provide hands-on experience to handle advanced instruments and upgrade the technical skills of participants in their core subjects. Twenty four participants such as graduate, post graduate students of biochemistry, zoology, microbiology, B.Tech students of industrial biotechnology, B. Pharm students, professors, assistant professors from various colleges, academic institutions, universities viz. Bharathiar University, Sri Ramakrishna College of Arts and Science for Women, Nirmala College for Women, Avinashilingam Institute for Home Science and Higher Education for Women, Hindusthan College of Arts and Science, Kalaignarkarunanidhi Institute of Technology, Government College of Technology, Sri Shanmugha College of Pharmacy, Dr NGP Arts and Science College, Vivekanandha College of Arts and Sciences for Women, Sri Vijay Vidyalaya College of Arts and Science, Biofarm and Dr.Samsun Immuno Clinical & Research Laboratory have undergone the training.

The training coordinator Dr. N. Senthilkumar, Scientist F, Chemistry and Bioprospecting Division gave an introduction about the training. He described the selection, collection, processing of plant samples and extraction using various organic solvents followed by fractionation and characterization of active compounds using various chromatographic techniques viz., HPLC and GC/MS/MS, followed by biological properties of active compounds thereof. -on training included sample preparation, method of operation, method development and interpretation of results. Dr. C. Kunhikannan, Director, ICFRE-IFGTB, Coimbatore, Dr. R. Yasodha, Group Coordinator Research, Dr. Rekha R. Warriar, Head, Chemistry and Bioprospecting Division and Dr. D. Thangamani, Scientist- D, Chemistry and Bioprospecting Division graced the valedictory function and gave their concluding remarks, motivating the participants for their future endeavour. The Director, Dr. C. Kunhikannan stated that ICFRE-IFGTB is a renowned institute for organizing trainings to develop the skill of the participants in handling advance equipments and to bring awareness about core research on bio resources. Participants appreciated the training and opined that it was an opportunity to handle the sophisticated equipment, gained knowledge from the protocols followed, sample analysis and interpretation of results. They also stated that the training was apt for their current and future academic and research activities. They thanked ICFRE-IFGTB for organizing the training which enhance their confidence to take up research projects, work in industries and help them to become entrepreneurs. The Director distributed the certificates to the participants.



**Participants were given training on GC-MS-MS**



**Valedictory address by the Director, Dr. C. Kunhikannan, ICFRE-IFGTB, Coimbatore**



**Distribution of certificates to the participants by Dr. C. Kunhikannan, Director, ICFRE-IFGTB, Coimbatore**



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