

SHORT TERM TRAINING PROGRAMME

Advanced Spectrometric based analysis (GC-MS, LC- MS -MS, FT-IR & NMR) in Food Science 08.01.2024 – 12.01.2024

The training programme would focus:

Course Highlights:

- **Day 1 – NMR:** Food Samples analysis using NMR (Nuclear Magnetic Resonance): Theory, Sample Preparation, Sample Analysis and Interpretation of NMR Spectral Data
- **Day 2 - LC – Ms /MS:** Food Samples analysis using HRMS (High Resolution Mass Spectrometry): Theory of mass spectrometry, Sample preparation, analysis of food samples using HRMS, and interpretation of HRMS data
- **Day – 3 IR – MS:** Sugar adulteration detection in honey using IR-MS (Isotope ratio mass spectrometry)
- **Day 4 GC – MS:** Pesticide Residue Analysis using GC – MS (Gas Chromatography – Mass Spectrometry): Theory, Sample Preparation, analysis of pesticides using GCMS and data interpretation
- **Day 5 FT – IR:** Polymer film analysis using FT – IR (Fourier Transform Infra – Red Spectroscopy): Theory, Analysis of polymer film using FT- IR and interpretation of IR Spectra data.

Course Organizer: Mr. Mukund Padmere Laxman
Central Instruments Facility & Services Department

- Knowledge of the subject under focus and preferably a basic degree.
- Knowledge of English is essential as the medium of presentation and interaction is English.

TRAINING FEE

Training Fee is Rs. **13,000/-** per participant (Inclusive of GST, registration kit, working lunch, session tea and participation certificate will be issued to the successful participants)

Training charges may be through SBI Collect (Online Payment System)

Training fee is subject to revision as governed by the rules and regulations of the institute.

All communications

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For further information about our Institute, training programmes and online application log on to

<http://www.cftri.res.in>

ELIGIBILITY CRITERIA