Jawaharlal Nehru Tropical Botanic Garden and Research Institute

(KSCSTE-JNTBGRI)

KaryasHala Programme

SCIENCE & ENGINEERING RESEARCH BOARD (SERB), Govt. of India

Hands-on Training on High-End Scientific Equipment

Application of the Hyphenated Mass Spectrometric Techniques

GC-MS and LC-MS in Plant Science Research

**at**

**Central Instrumentation Facility (CIF)**

**Jawaharlal Nehru Tropical Botanic Garden and Research Institute (KSCSTE-JNTBGRI)**

**Palode, Thiruvananthapuram-695562, Kerala**

**Date:** 13th to 20th March 2024 (7 Days)

**Participants:** UG 4th-year, PG, and PhD students

**Number of participants**: 20

**Registration link**: https://rb.gy/3l1me8

No course fee, TA, Food and Accommodation will be provided to the participants.

**Introduction to the Programme**

Sophisticated instrumentation facility has a vital role in the plant science sector, and the emerging herbal technology sector. Emerging areas in plant sciences such as chemical ecology, chemotaxonomy and metabolomics also demand high end precision analytical tools. The hyphenated mass spectrometric equipments Gas Chromatograph- Mass Spectrometer (GC-MS) and Liquid Chromatograph- Mass Spectrometer (LC-MS) have emerged as the most reliable and accurate analytical technique that uses minimum plant samples while yielding maximum structural details of the phytochemicals. The proposed seven days Hands-on Training on High-End Analytical EquipmentsGC-MS and LC-MS intends to provide an in-depth knowledge and practical exposure of the instruments and application of the hyphenated mass spectrometric techniques in plant science research. Welcome to KSCSTE-JNTBGRI to explore the plant resources through modern analytical tools.

Dr. S. Pradeep Kumar

**Contact**

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