

PROGRAMME FEE

25,000/- plus 18% GST per participant. Programme fee includes tuition fee, course kit, lunch, refreshments and institutional amenities. Accommodation can be availed upon request (Separate Charges are applicable). Participants can avail group/ students discounts.

REGISTRATION

The registration will be on first-come, first-served basis. **The number of participants is limited. The maximum number of participants are 20.** Hence it is requested to kindly confirm by return mail before the 25th February, 2019. Please confirm your participation by returning the duly filled registration form along with the registration fee and required attachments, in advance, prior to the commencement of the Programme to chiefscientist.eptri@gmail.com. Registration form along with payment details can be downloaded from www.eptri.com or will be emailed upon enquiry.



CONTACT

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Venue

**ENVIRONMENT PROTECTION
TRAINING AND RESEARCH
INSTITUTE (EPTRI)**
91/4, Gachibowli, Hyderabad – 500032,
Telangana – INDIA
Phone: +91-40-67567516;



25 years of excellence in Environmental Trainings & services

5 Day Hands-on Training

On

**USE OF GC-MS/MS IN
ANALYSIS OF VARIOUS
ENVIRONMENTAL
POLLUTANTS**

12th - 16th March 2019

ORGANIZED BY

**ENVIRONMENT PROTECTION
TRAINING AND RESEARCH
INSTITUTE (EPTRI)**

*(An Autonomous Institute of Government of
Telangana)*

BACKGROUND

The GC-MS provides significant and reliable results and it has become the tool for analyze the organic pollutants in environmental laboratory.

The course is designed to acquire full knowledge about the GC-MS/MS, its theory and method for using their accessories. The course is intended to provide skill set to analyze, environmental samples. The participants will be given hands-on training on various standard protocols used in environmental sample analysis.

The course will train the participants to perform the maintenance required to ensure the smooth running of the instrument. The course also discusses the principles of troubleshooting by examining the effects of faults in the system on the chromatographic output. This course includes an introduction to troubleshooting and maintenance focusing on tunes & diagnostics, GC considerations, vacuum system, ion source, quadruple mass filter and MS detector.



COURSE BENEFITS

Participants will gain

- The theory & principles of mass spectrometry focusing on the Quadruple GC-MS/MS.
- The advanced function, operation, maintenance & trouble shooting of each individual components of GC-MS/MS.
- Qualitative data analysis including library searching and interpretation
- Quantitative data analysis, creating calibration curves and producing appropriate reports

WHO CAN ATTEND?

- Environmental laboratory analysts, Environmental professionals, officers, Environmental Supervisors & practitioners
- Officials from central and state pollution control bodies
- Technical Assistants, Chemists, NGOs, existing users of Pharma & Environment labs
- Academicians, Research scholars and Students
- Scientific/Technical/Research Officers

COURSE CONTENT

Day 1

- Introduction about GC & GC-MS/MS
- Procedure of extration and collection of sample
- Exposure to Instruments

Day 2

- Introduction to various scanning techniques on GC & Mass detector. The use of mass detector to various scans (Single scan, MRMs, Neutral scan, Product scan etc.,) and data interpretation
- Hands-on session on above techniques & MS Detector

Day 3

- Introduction to ECD Detector & Principles
- Preparation techniques of organic pesticides.
- Hands-on session on ECD qualitative identification & quantification of pesticides

Day 4

- Introduction to GC-FPD detector and procedure for organic phosphorus estimation.
- Hands on training on FPD

Day 5

- Introduction and significance other detectors FID, TCD etc.,
- Calibration of various techniques, method development and final interpretation on the result obtained during the five day course.
- O&M issues and Trouble shooting
- Interaction with participants
- Valedictory function & Certificate distribution



FEE PARTICULARS

Name of the Bank	
Mode of Payment	
Amount Paid	
Transaction I.D	
Date of Transfer	

Accommodation needed: *(Please tick mark whichever is applicable)*

- Yes No

How did you get to know about the event? *(Please tick mark whichever is applicable)*

- EPTRI Website Email Organization
 Friends/ Colleagues Newspaper Others *(Please specify)*

Date:

Signature of the Participant

Note: Please send the scanned copy of the duly filled and signed registration form to chiefscientist.eptri@gmail.com

REGISTRATION AND PAYMENT DETAILS

PAYMENT METHOD: The training programme fee shall be paid by Banker's Cheque / Demand Draft drawn in favour of "Environment Protection Training & Research Institute" payable at Hyderabad or can be paid online via NEFT. Please find below the bank account details for NEFT. **Please mention participant name, course and code (6200J1802) on the back of the cheque / DD.** In case of online transfer, please send a soft copy of NEFT transfer/transaction receipt/slip or mention UTR No. / Transaction ID. Duly filled registration form should be sent to chiefscientist.eptri@gmail.com

PAYMENT DETAILS:

Beneficiary A/c Name	EPTRI, Hyderabad	Bank Address	Cyber Apartments, Plot No. 12 - 16, Main road, Gachibowli, Hyderabad-32
Beneficiary A/c No.	745611718	Bank MICR Code	500019021
Bank name	Indian Bank	Bank IFSC Code	IDIB000G060