

# “Five days hands on workshop on emerging environmental pollutants analysis by GCMS”

**20 June to 25 June 2022**

## About the Workshop

The “Five days hands on workshop on emerging environmental pollutants analysis by GCMS” is going to be held in, ICMR-National Institute for Research in Environmental Health (ICMR-NIREH), Bhopal. This course covers all the practical and theoretical aspects about gas chromatography-mass spectrometry; gases and plumbing; sample introduction like split, splitless, column setup and injection techniques; data analysis; liquid-liquid and solid-phase extraction.

This workshop will help participants learn how to choose the GC-MS techniques for an application, set-up the instrument, how to develop & optimize methods and then finally how to maintain & troubleshoot

## Who can apply for this course?

The Complete GC-MS course is for those who have some basic knowledge of gas chromatography and would like to greatly enhance it, learning the essential and practical application of GC-MS techniques.

## Eligibility

M.Sc Final Semester, PhD, postdoctoral fellows and faculty are encouraged to apply.

## Course Content

Gas Chromatography and GC-MS Introduction, Gases & Plumbing in GC-MS, Sample Introduction in GC-MS, Principles and components of the mass spectrometer, Strategies for method development GC-MS, Practical Essentials of GC Columns, Practical Essentials of GC Detectors, Practical Essentials of Mass Spectrometers in GC-MS, Data Analysis for GC-MS, Sampling Techniques for GC-MS and GC-MS Maintenance

\* Only 15 participants will be admitted for the course.

## Application Procedure

Applications in the prescribed format along with necessary enclosures should be submitted through E-mail to [nirehworkshop@gmail.com](mailto:nirehworkshop@gmail.com) on or before **12 June 2022**.

## Selection

Candidates will be shortlisted on the basis of academic qualification; previous knowledge/experience of gas chromatography and future plans. The selected candidates will be contacted by e-mail.

Registration fee of the course is **Rs. 3500/=** for students and **Rs.5000/=** for Faculty only (non-refundable). High tea and lunch will be provided and is included in the registration fee. Accommodation can be provided on paid basis in ICMR guest house. The cheque/DD are to be drawn in favour of Director ICMR-NIREH Bhopal Project. Payable at Bhopal. For electronic transfer (NEFT/IMPS), the details are as below:  
**Bank Address:** Canara Bank, Koh-E-Fiza Bhopal, **Bank account No.** -2652101006214  
**IFSC-CNRB0002652,**

**Dr. Manoj Kumar, Dr Devojit Kumar Sarma**  
**Co- Coordinator: Dr Swasti Shubham; Ms. Samradhi Singh**



# WORKSHOP REGISTRATION FORM

“Five days hands on workshop on emerging environmental pollutants analysis by GCMS”

20 June to 25 June 2022

Name (in capital letters): .....

Designation: .....

Participant category (please tick):

Faculty/Scientist     Research Scholars     others

(Specify).....

Research Area: .....

How this workshop is going to help in your research: (In 200 words max)

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Name of the Institution & Address

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Address for Communication

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Mobile Number: ..... Email id: .....

Signature of the Candidate

Date: \_\_\_/\_\_\_/\_\_\_\_\_

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Note:

Please send the scanned copy of the filled registration form to email: [nirehworkshop@gmail.com](mailto:nirehworkshop@gmail.com)