

## Program

Introduction to GC-MS • Oil extraction from fish tissue • FAME preparation • Fatty acid analysis by GC-MS • Volatile analysis by GC-MS • Pesticide residue analysis by GC

### Convener

**Dr. B. K. Das, Director**

**ICAR- Central Inland Fisheries Research Institute**

### Course Coordinator

**Dr. B. P. Mohanty**

Principal Scientist and Head, FREM Division

### Course Co-Coordinator

**Dr. S. K. Nag**

Principal Scientist, FREM Division

### Resource Persons from ICAR-CIFRI & M/S ThermoFisher Scientific

BP Mohanty, Subir Nag

Satabdi Ganguly, Arabinda Mahanty, Tandrima Mitra,  
L.R. Mahaver, Keya Saha (CIFRI), Uttam Karmakar,  
Srijit Karmakar (M/S ThermoFisher Scientific)

### Committee Members

- Praveen Maurya
- D. Karunakaran
- Soma Das Sarkar
- Rohan K. Raman

### Technical Assistance

- Sudarsan Bandopadhyay
- Sk Rabiul
- Prakash Pramanik
- Sujoy Nath

### Contact

**Dr. B. P. Mohanty**

PS & HOD - FREM Division

ICAR- Central Inland Fisheries Research Institute,  
Barrackpore, Kolkata 700120, West Bengal

Email: [bimal.mohanty@icar.gov.in](mailto:bimal.mohanty@icar.gov.in); [bimalmohanty12@gmail.com](mailto:bimalmohanty12@gmail.com)

Mob: 9230618153; Tel: 033-2545-2081

# 1<sup>st</sup> National Training on Advanced Analytical Tools Gas Chromatography Mass Spectrometry

28 May - 01 June, 2018



**Organized by**

**ICAR- Central Inland Fisheries Research Institute,  
Barrackpore, Kolkata-700120**

**Venue:**

**Division of Fishery Resource and Environmental Management  
(FREM)- Biochemistry Laboratory,  
ICAR- Central Inland Fisheries Research Institute Barrackpore,  
Kolkata-700120**

## Preamble

Chromatographic techniques are very much useful in industries as well as academic research. They are the sophisticated and powerful techniques for the identification and characterization of organic compounds, biomolecules, agricultural fertilizers, industrial gaseous samples, nutritional composition of food items as well as impurity profiling, freshness/ spoilage detection. Thus, applicability and importance of chromatographic techniques in research has received an unequivocal recognition world over. This works deals with hands on training on basic to various application such as fatty acid sample analysis, headspace analysis.

## Eligibility

Scientists, University Faculty Members, RAs/ SRFs and other Scholars/Industry personnel

## Course Fees:

₹ 8000.00 (for Students/Research Scholars)

₹ 10,000.00 (for Scientist, Faculty)

₹ 15,000.00 (for Industry)

## How to Apply:

Applicants are advised to send their brief resume, along with registration form duly filled in with registration fee. The fee can be paid in form of Demand Draft/NEFT/RTGS. Demand Draft: In favour of "ICAR Unit- CIFRI" payable at State Bank of India, Barrackpore, Kolkata -700120, (Code 00029).

## Course content

- Introduction to Chromatography and GC-MS
- Lipid extraction and FAME preparation
- Fatty acid analysis by GC-MS
- Volatile analysis by Head Space GC-MS
- Pesticide residue analysis by GC

## Registration Form

### 1<sup>st</sup> National Training on Advanced Analytical Tools Gas Chromatography-Mass Spectrometry

28 May - 01 June, 2018

Name: .....

Designation: .....

Organization: .....

Address:

.....  
.....

PIN ..... Mobile:.....

Email: .....

Accommodation required: YES / NO

If yes: Duration: From..... to .....

Payment details.....

I am enclosing one page write-up as to how this workshop would benefit me.

(Signature of Participant)