

**State Level Training Program on Environmental  
Monitoring and Assessment Techniques**

**(EMAT 2023)**

**08-12 March 2023**

*ORGANIZED BY*

**SCHOOL OF ENVIRONMENTAL SCIENCES**

**MAHATMA GANDHI UNIVERSITY**

**KOTTAYAM, KERALA**

**In association with**

**DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE**

**GOVERNMENT OF KERALA**

**INTRODUCTION**

Environmental monitoring is essential to all developmental projects and ongoing ecological assessments. Various techniques are involved in environmental monitoring, from sampling, and analysis to interpretation. However, students and other academicians have limited opportunities to understand and gain experience in these various environmental monitoring techniques. Hence, the program will allow students and academicians to explore the expertise and laboratory facilities/techniques at the School of Environmental Science, Mahatma Gandhi University, for environmental monitoring. Also the participants will get onboard training for sample collection and processing in large aquatic ecosystems.

**Participants**

The targeted participants included:

- Post graduate students in Environmental Science/Geology/Disaster Management
- Research scholars
- Teachers in colleges and universities
- Government officials
- Stake holders

**INTAKE:**

The participation will be limited to a maximum of 50 participants (on a first-come, first-serve basis)

**Topics covered**

Environmental analysis – sampling, sample treatment for organic and inorganic pollutants, instrumental methods and interpretation, Pollution monitoring parameters, Onfield sampling of water and sediment in Vembanad Lake, Water quality monitoring, Ambient Air quality Monitoring, Soil/sediment sampling and monitoring, Environment Analysis, Soil Analysis, Metal analysis, monitoring of emerging contaminants, Standards, Emission monitoring, Instrumental methods

**Resource Persons**

**Dr. Mahesh Mohan** (Environmental monitoring basics- sampling protocol; Environmental analysis; Onboard sampling at Vembanad lake)

**Dr. A.A. Mohamed Hatha** (Microbial Pollution monitoring)

**Dr. Baiju K.R.** (Environment monitoring for disaster risk assessment)

**Dr. Arun Babu** ( Water Quality Monitoring)

**Dr. Rakesh P.S.** ( Sample Collection- Marine Environment)

**Dr. Arun Sasi S.** (Environment monitoring & Legislation for developmental projects)

**Dr. Shylesh Chandran M.S.** ( Sediment monitoring)

**Dr. Shijo Joseph** (RS &GIS for Environmental monitoring)

**Dr. K. K. Jayasooryan** (Risk assessment)

**Dr. Anitha K.** (Monitoring of Biodiversity)

**Dr. Kannan V.M.** (Lab training)

**Dr. Joshy George** ( Emission monitoring & Instrumentation Analysis)

**FEE AND REGISTRATION**

Category of delegates	Registration fee
Post graduate students	500
Research scholars	1500
Teachers/Government officials/Public	3000
Industry	5000

**Convenor: Dr. Baiju K. R.**  
**Director, SES**

**Coordinator: Dr. Mahesh Mohan**  
**Emat3626@gmail.com**  
Mob: +91 9447871596

**Register Now:** <https://forms.gle/Hy4zqogg4TapesVo7>

**Last Date for registration: March 14, 2023**

**Accommodation will be provided on request (participants have to bear the cost)**

**Account details**

Name of account : Co-ordinator, EMAT 2023

Account no. : 41710423672

Bank : SBI, MG University campus branch

IFSC : SBIN0070669