



## Training on

# **“Environmental DNA (eDNA) and its applications”**

**22<sup>nd</sup>- 27<sup>th</sup> July 2024**

CSIR-Center for Cellular and Molecular Biology shall be conducting a hands-on training on **“Environmental DNA (eDNA) and its applications”** targeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life Sciences, Medical Sciences, Pharmaceutical Science & allied areas. This training is intended to train about the basics of eDNA and its applications in research for various experiments. It will be supplemented with informative lectures, hands-on training, instrument set-up, data collection and analysis.

<b>No. of seats</b>	:	20
<b>Minimum Qualification</b>	:	Masters in any branch of Life Science/Allied areas
<b>Dates</b>	:	22 <sup>nd</sup> - 27 <sup>th</sup> July 2024
<b>Mode of the Course</b>	:	In-house training at CCMB
<b>Mode of selection</b>	:	Application form & Statement of Purpose
<b>Course Fee</b>	:	Rs. 18,000/- (Including accommodation & GST)

### **Training Curriculum:**

Curriculum includes lectures and hands-on sessions on:

- eDNA basics and study design
- Field sampling techniques
- eDNA isolation and laboratory techniques
- Species detection using qPCR
- eDNA meta barcoding and bioinformatics

### **Salient Features of the Training:**

- Skilled resource persons will provide lectures and laboratory training
- Certificate of participation will be issued to the participants
- Exposure to laboratory safety regulations
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions

### **Training Coordinator:**

Dr. G Umopathy  
Chief Scientist  
CSIR-CCMB, Hyderabad

### **Contact:**

Dr. Archana Bharadwaj Siva  
Nodal Scientist  
Skill Development Program  
CSIR-CCMB, Hyderabad  
E mail: [sdp@ccmb.res.in](mailto:sdp@ccmb.res.in)