

**Online Training Program on
“Pesticide Residues Analysis in Environmental Matrices and
its QA/QC in context of ISO-17025 Framework ”**

February 22-23, 2022

OBJECTIVES

Pesticides are toxic in nature and their contamination in the environment may affect soil health besides posing threat to the ground water contamination. Pesticides can also lead to surface water contamination through run-offs. This requires pesticide monitoring to be an important aspect of water monitoring programs. The specific aim of this training program is to enhance the capacities of the participants for monitoring of pesticide residues in environmental matrices. CSIR-NEERI has an accredited facility for pesticide residue analysis. So, this training also has a special focus on the QA/QC aspect in context of ISO-17025:2017 framework. The main objectives of the training program are:

- To introduce the participants with the types of pesticides and their environmental fate
- To make the participants familiar with the various environmental sampling techniques.
- To train for sample processing techniques and equipment for the environmental analysis of pesticides
- To detail the QA/QC in the background of ISO-17025:2017 particularly with reference to pesticide residue analysis

COURSE CONTENTS

- General Overview of types of pesticide residues, their persistence and fate in environment
- Sampling techniques for Environmental Matrices
- Sample processing techniques for pesticides in Environmental Matrices
- Analytical equipment and procedures for trace analysis and confirmatory analysis
- Documentation procedures for NABL accreditation for Pesticide Residue Laboratories as per ISO/IEC 17025:2017
- Method validation and Measurement of Uncertainty in Pesticide Residue Analysis
- QA/QC of residue analysis required with respect to ISO-17025:2017 compliance
- Laboratory demonstration of residue analysis

MODE OF TRAINING: Online training through MS Team comprising Live lectures, Interactions, Q&A session, etc.

REGISTRATION FEE

- For Students (Graduate & above): **Free of Cost**
(Application through Google Link:
https://docs.google.com/forms/d/e/1FAIpQLSc4h7KmPz3LyUI1GECHhldrJqeEGY0ZjOfgL-SBA8gNXRwDVQ/viewform?usp=sf_link)
- For Sponsored/Employed/Self Payment candidates, etc.: **Rs. 10,000/- (including GST)**
- **Fee will be paid online through SBI Collect link as mentioned below:**
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>
- Instructions for remittance of fee through State Bank Collect is shown below:
State of Corporate / Institution: "MAHARASHTRA"
Type of Corporate / Institution: "GOVT. DEPARTMENT"
GOVT Department Name: "NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE"
Payment Category: "WEBINAR / TRAINING PROGRAM REGISTRATION FEE" s

NOTE:- Kindly send SBI Collect Fee receipt on email hv_singh@neeri.res.in for confirmation

CERTIFICATE OF PARTICIPATION: Certificate of Participation will be issued on successful completion.

LAST DATE OF REGISTRATION: January 22,2022

DIRECTOR	MENTORS	PROGRAM CO-ORDINATOR	COURSE CO-ORDINATOR
Dr. S. Chandrasekhar Director	Dr. Sadhna Raylu Chief Scientist & Head, EMD Dr. Atul Vaidya Chief Scientist & Head, CHWMD	Dr. Harshvardhan Singh Senior Principal Scientist & Head, TSDD Email: hv_singh@neeri.res.in Ph.0712-2249885 ext. 344 / 645	Dr. Amit Bansiwala Senior Principal Scientist & Head, SEAF Dr. Kavita Gandhi Senior Scientist, SEAF