



## ADVANCE TRAINING

# CUTTING-EDGE ANALYSIS IN USED WATER & BIOSOLIDS MANAGEMENT

“Elevate your expertise in the rapidly evolving field of sustainable water resource management”

### What is the training about?

Used Water and Biosolids Management is at the forefront of sustainable innovation in WASH. From treating domestic, industrial, and agricultural wastewater and creating a potential of reusing; to transforming biosolids into valuable resources like soil conditioners, alternative fuels, and construction materials—this field is redefining environmental protection and circular economy practices.

### Why Quality Assessment matters?

Ensuring safe reuse or discharge of used water requires rigorous testing. Participants will learn to evaluate key microbiological and chemical parameters—detecting pathogens such as bacteria, viruses, and protozoa, and analyzing heavy metals that pose risks even at trace levels.

### What this training offers?

- Hands-on laboratory sessions at CSE’s state-of-the-art Environment Monitoring Laboratory (EML), AAETI.
- Expert guidance from globally renowned researchers, innovators, and water business professionals.
- Skill-building in advanced equipment and protocols, with participants performing experiments themselves.
- Insights into cutting-edge technologies and sustainable business models that make used water management a viable industry.

### What you will learn to master

- This highly interactive, hands-on training features input presentations combined with individual and group assignments to solidify learning.
- You will gain direct laboratory experience performing critical analyses, including microbial contamination assessment (Faecal Coliform, E.coli, Salmonella) and comprehensive biosolids analysis for heavy metals and NPK (Nitrogen, Phosphorus, Potassium) using state-of-the-art ICP-OES and CHNS analyzers.
- A core focus includes practical skills in analytical equipment calibration (e.g., pH meter, micropipette, ICP-OES) and methodology validation to ensure the highest standards of data quality.
- Insights into cutting-edge technologies and sustainable business models that make used water management a viable industry.

**REGISTER HERE**

“Enhance your skills, master cutting-edge protocols, and position yourself at the forefront of sustainable water solutions.”

## LAB TRAINING COORDINATORS

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## WHERE & WHEN?

The program will be hosted at Environment Monitoring Laboratory situated at CSE’s residential campus , Anil Agarwal Environment Training Institute, Nimli, near Alwar, Rajasthan—an immersive environment designed for learning, collaboration, and innovation.

Dates of training:  
**3<sup>rd</sup> to 6<sup>th</sup> February, 2026**

Language: **English**

Last Date to Apply:  
**25<sup>th</sup> January, 2026**

Venue:  
**EML, Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan**

## COURSE FEE AND FACILITIES

Includes training fees, accommodation, food and travel from/to Delhi and training Centre.

Single occupancy: **₹ 26,000**

Double occupancy: **₹ 24,000**

- Enjoy an additional 5% discount when registering in a group of three participants from the same organization.
- For groups of five or more participants from the same organization, one additional participant can join for free.

## WHO CAN APPLY

- Working professionals/ Innovators of the WASH /Used water Management Sector
- University/College researchers/ professors /scientists working in the area of Used water or WASH
- Managers or technicians in the Govt. and Pvt. Water / used water testing laboratory

## WHY JOIN?

- This is more than a training—it’s an opportunity to upskill, network with global experts, and position yourself at the leading edge of sustainable water and biosolids management.
- Post completion, a training certificate will be awarded which will certify your enhanced skill as a WASH professional.

## WHY THIS TRAINING IS ESSENTIAL?

**This is not just theory—it is practical expertise delivered by the best:**

- This intensive training ensures you master both the safety protocols for handling used water and biosolids and the advanced analytical skills required for quality parameter assessment.
- You will gain hands on excellence by direct, practical experience performing experiments using the best equipment and protocols in CSE’s state-of-the-art Environment Monitoring Laboratory (EML) at AAETI.
- You’ll gain hands-on laboratory proficiency with sophisticated instruments, emphasizing equipment calibration, methodology validation, Good Laboratory Practices (GLP), and a comprehensive understanding of ISO/IEC 17025 standards.
- Learn directly from in-house expert lab scientists from CSE’s EML and receive guidance from globally renowned used water experts (researchers, innovators, and water business professionals).
- Business Insights: Beyond the lab, you will gain critical knowledge on innovative technologies and sustainable business models that drive the successful “used water and biosolids economy.”