

**AAETI**

RESOURCE RECOVERY FROM FAECAL SLUDGE

Advanced laboratory training on the quality analysis of co-compost/biochar and faecal sludge

Venue: Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan | **Language:** English

Last Date to Apply: 16 September, 2022 | **Dates of training:** 27 September to 1 October, 2022

About the training

Faecal Sludge Management (FSM) is an evolving field with continual development and improvement happening in research methodologies. The research on resource recovery from faecal sludge is actively taking place worldwide. Resource recovery from faecal sludge can take many forms, including as a fuel, soil amendment, compost, building material, protein, animal fodder, and water for irrigation. This course focuses on some of the recent advances in laboratory analysis of physico-chemical and biological parameters of co-compost, bio-char and dry faecal sludge. This training is part of the Centre for Science and Environment and Bill Melinda Gates Foundation collaboration on FSM in India. In-house experts and lab scientists from CSE's Environment Monitoring Laboratory (EML) will guide participants through the sessions and help them learn lab analysis using state-of-the-art equipment and methods. The hands-on approach for the program means that participants get to perform the lab experiments on their own and can enhance their skills while working on some of the best equipment and protocols in their class. The training will be held in CSE's residential campus in Nimli, near Alwar, Rajasthan.

What you will learn

- Introduction to faecal sludge management
- Faecal sludge treatment approaches and technologies
- Resource recovery from faecal sludge
- Laboratory skills on the sophisticated instruments
- Analytical skill on the quality parameters of co-compost/ biochar and faecal sludge

Methodology (Highly interactive hands-on training)

- Interactive input presentations
- Microbial (Faecal coliform, E.coli and Salmonella) analysis of co-compost and dried sludge by CFU/MPN method
- Helminth eggs enumeration in co-compost and dry sludge by AmBic/ZnSO₄ method
- Quality analysis of dry sludge/ co-compost/ biochar using CHNS analyser (Carbon: Nitrogen ratio)
- Heavy metal analysis of dry sludge/ co-compost/ biochar using ICP-OES
- NPK analysis of co-compost/ biochar (CHN analyser and ICP-OES)
- Calorific value estimation of dry faecal sludge by bomb calorimeter
- Individual and Group Assignments

Who can apply

- A minimum of 1 year experience in the WASH /FSM/ Waste Management Sector
- University/College researchers/ professors /scientists working in the area of wastewater or FSM
- Managers or technicians in the Govt. and Pvt. Water / wastewater / FS testing laboratory

Benefits

- A certification on successful completion of training
- Hands on experience of Analytical instrumentation

Course fee and facilities

- Eligible candidates will be provided with scholarship for this training by CSE. This support will also cover the cost of stay, including all meals.

Transportation

- Participants shall only be provided ground transport for Delhi to AAETI (training venue) and back to Delhi.
- Participants need to bear the cost of their travel to reach Delhi and back to their hometown.

CLICK HERE TO REGISTER

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COURSE ORGANISERS

