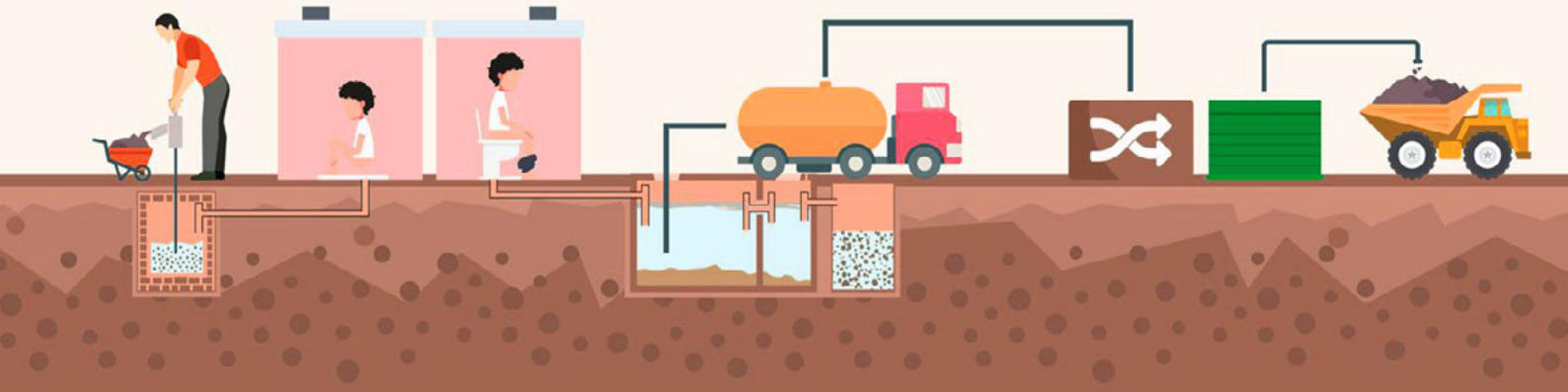
SCHOOL OF WATER AND WASTE
AAETI



RESOURCE RECOVERY FROM FAECAL SLUDGE

Advanced Onsite Laboratory Training on Analysis of Dried Faecal Sludge and Co-compost

Venue: Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan I **Dates:** February 8-12, 2022
Language of instruction: English I **Last date for receiving applications:** January 31, 2022
Course fee: Fully funded by CSE

Faecal Sludge Management (FSM) is an evolving field with, continual development and improvement happening in research methodologies – including those in resource recovery from the sludge. This resource recovery can take many forms: as fuel, soil amendment, building material, protein, animal fodder, and water for irrigation.

Centre for Science and Environment's Environment Monitoring Laboratory and Anil Agarwal Environment Training Institute (AAETI) invite you to join an onsite advanced training, which will focus on recent advances in laboratory analysis of quality parameters of co-compost and dried faecal sludge. This training is part of a CSE and Bill & Melinda Gates Foundation collaboration on FSM in India.

In-house experts and scientists from the Environment Monitoring Laboratory will guide participants through the sessions and help them learn lab analysis using state-of-the-art equipment and methods. Participants will be expected to do lab experiments and can enhance their skills while working on some of the best equipment and protocols in their class.

What you will learn

- Introduction to faecal sludge management
- Faecal sludge treatment approaches and technologies
- Resource recovery from faecal sludge
- Laboratory skills on sophisticated instruments for analysis of co-compost and faecal sludge

Methodology: Highly interactive hands-on training

- Interactive input presentations
- Microbial (salmonella) analysis of co-compost and dried sludge by MPN method
- Helminth eggs enumeration in co-compost and dried sludge by AmBic method
- Quality analysis of co-compost/dried sludge using CHNS analyser (carbon:nitrogen ratio)
- Heavy metal analysis of dried faecal sludge and co-compost using ICP-OES
- NPK analysis of co-compost (CHN analyser and ICP-OES)
- Calorific value estimation of dried faecal sludge by bomb calorimeter
- Individual and group assignments

Trainees will be awarded a Certificate on successful completion of the training.

Who can apply

- Anyone with a minimum of a year's experience in the WASH/FSM/waste management sector
- University/college researchers/professors/scientists working in the area of wastewater management or FSM
- Managers and technicians in government and private water/wastewater testing laboratories

Travelling to the training venue: Participants will only be provided ground transport for travelling from Delhi to AAETI (training venue) and back to Delhi. Participants need to bear the cost of their travel to reach Delhi from their hometowns and back.

Covid protocols

- Preference in selection of participants will be given to fully vaccinated (2 doses) applicants
- People above 60 years of age, people with co-morbidities, individuals bearing any symptoms of COVID-19, pregnant women and lactating mothers must not attend the training programme at AAETI.
- Social distancing and wearing masks is compulsory while in groups.
- Trainees are encouraged to proactively disclose their health status including fever/cough/sore throat/influenza like symptoms, to training coordinators/AAETI Administrator.

CLICK HERE TO REGISTER

COURSE COORDINATOR

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