About the Training
Management of the sanitation system has been a long-term challenge, explicitly for low and middle-income countries like India. Nevertheless, Faecal Sludge Management (FSM) is an evolving field worldwide with continual development and improvement happening in research methodologies. Therefore, skill development for testing the quality of faecal sludge and treated wastewater becomes the primary objective. This course focuses on some of the basic and recent advances in laboratory analysis of physico-chemical and biological parameters of faecal sludge and wastewater. 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 to the program means that the participants will have the opportunity to enhance their skills by performing lab experiments on their own, using the best equipment and protocols available. The training will be held in CSE’s residential campus in Nimli, near Alwar, Rajasthan.

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

Course Fee and Facilities
The eligible candidates for this training will be given a scholarship by CSE, which will cover the training fees as well as the cost of accommodation, including all meals.

Transportation
» Participants shall only be provided ground transport from 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.

What you will learn
• Introduction to faecal sludge management
• Sample collection, storage, and transportation
• Safety measures to be taken during the handling of faecal sludge
• Physio-chemical analysis of faecal sludge
• Biological (Helminth eggs, faecal coliform, E.coli) analysis of faecal sludge
• Good laboratory practices

Methodology
Highly interactive hands-on training:
• Interactive input presentations
• Field visit to faecal sludge treatment plant (FSTP) for demonstration of sample collection, storage, and transportation to the laboratory
• Analysis of physiochemical parameters such as pH, Total solids, BOD (Biochemical oxygen demand), COD (Chemical oxygen demand), TKN (Total Kjeldahl Nitrogen), Ammoniacal nitrogen, and Total phosphate
• Analysis of microbial parameters such as faecal coliform and E. coli in faecal sludge by multiple tube fermentation technique
• A hands-on testing of Helminths egg enumeration in faecal sludge
• Analytical equipment calibration and methodology validation.

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

For further details, please contact
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Click here to register

Hands-on Laboratory Training for Working Professionals in the field of Faecal Sludge Management

Date
September 18-22, 2023

Last date to apply
September 10, 2023

Venue
ANIL AGARWAL ENVIRONMENT TRAINING INSTITUTE (AAETI), NIMLI, RAJASTHAN

Language of instruction
ENGLISH

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