



BASIC LABORATORY TRAINING IN FAECAL SLUDGE MANAGEMENT



Dates of training: **July 26-30, 2022**

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

Language : **English** | Last Date to Apply: **15 July, 2022**

Faecal sludge management (FSM) refers to the storage, collection, transport, treatment, and safe end use or disposal of faecal sludge. FSM is an evolving field with continual development and improvement happening in research methodologies. This course focuses on some of the recent advances in laboratory analysis of quality parameters of faecal sludge and treated 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 the 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
- Methodologies of safe and proper sample collection and processing
- Laboratory skills on the Physico-chemical analysis of faecal sludge and wastewater
- Laboratory skills on analysis of pathogens in faecal sludge and wastewater

METHODOLOGY:

- Highly interactive hands-on training:
- Interactive input presentations
- Field visit and exposure of technologies
- Hands-on exercises
- Sample collection, storage and transportation

- Physico-chemical analysis of faecal sludge and septage (COD, BOD, TSS, TKN etc.)
- Calorific value estimation of faecal sludge by bomb calorimeter
- Microbial (faecal coliform, E. coli) analysis of faecal sludge and wastewater
- Helminth eggs enumeration in faecal sludge
- Individual and group assignments

WHO CAN APPLY?

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

BENEFITS:

- A certification on successful completion of training
- Analytical instrumentation skills development

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

COVID PROTOCOLS

Preference will be given to fully vaccinated (2 doses) candidates

People above 60 years of age, with co-morbidity and individuals bearing any symptoms of COVID-19, pregnant women 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 the training coordinators/AAETI Administrator

COURSE COORDINATOR

DR. VINOD VIJAYAN
Deputy Lab Head,
vinod_v@cseindia.org
Phone: +91 9099115193

COURSE ORGANISERS

MR. ARVIND SINGH SENER
Senior Research Scientist,
arvindsingh.senger@cseindia.org
Phone: +91 8879948011

DR. KALYANA CHAKRAVARTHY SAMA
Research Scientist,
sama.kalyanachakravathy@cseindia.org
Phone: +91 9849661107

DR. ASHITHA GOPINATH
Junior Research Scientist,
ashitha@cseindia.org
Phone: +91 7708319493

DR. MEGHA TYAGI
Junior Research Scientist,
megha.tyagi@cseindia.org
Phone: +91 7708319493

CLICK HERE TO REGISTER

