

In-house Training Course on  
**Greywater Management**

**November 15-16, 2021**



**Coordinators**

***Prof. Suparna Mukherji***  
***Prof. Swatantra Pratap Singh***  
***Prof. Amritanshu Shriwastav***

Environmental Science and Engineering Department  
Indian Institute of Technology Bombay  
Powai, Mumbai – 400 076  
<http://www.esed.iitb.ac.in/>

## **INTRODUCTION**

The availability of good quality water in sufficient amount has been one of the important environmental concerns in recent times. Over the years, significant efforts have been made to achieve sufficient treatment of domestic wastewater, i.e., sewage, to enable its reuse/recycle. However, considering the higher level of contaminants and pathogens in sewage, the level of treatment to be imparted is also higher. Thus, currently there is much interest in source segregation and separate collection of greywater and black water, such that the lightly polluted greywater, which comprise almost 70% of sewage can be reused/recycled more readily by providing appropriate treatment. Greywater can be treated in a decentralized manner close to the point of generation, to enable cost-effective on-site reuse. This strategy holds promise since it can potentially reduce the freshwater requirement for many applications that do not require water of drinking water standards. Thus, reuse and recycle of wastewater can enhance sustainable water use.

The present training programme is designed to provide an introduction to the concept of Greywater Management (GWM), and various available technologies. The course is designed to train water professionals in important concepts, regulations, and various considerations in selection of appropriate technologies for greywater treatment; so as to develop a sustainable greywater management strategy.

## **BROAD OBJECTIVES**

- To understand the basic concepts of Greywater Management (GWM) and existing regulations
- To understand various concerns related to GWM
- To understand the important engineered and natural treatment systems for GW
- To share examples of GWM strategies in India and other countries
- To discuss the advantages, limitations, and future direction in GWM

## **COURSE CONTENT**

- Introduction to Greywater Management and Regulations
- Health and Environmental Considerations in GWM
- Technologies for Greywater Treatment and Considerations for Technology Selection
- Natural Treatment Systems for GW
- Membrane Technology for GWM
- GWM in the Indian Context

## **TARGET AUDIENCE**

This Level-2 training course is designed for mid-management level professionals in various government agencies working in the water sector.

## **RESOURCE PERSONS**

The faculty constitutes experts from the Environmental Science and Engineering Department (ESED), IIT Bombay.

**MODE OF DELIVERY**

The training program will be offered in online mode and the details of the platform and joining links etc. will be provided to the participants.

**COURSE MATERIALS**

The slides used for the presentations will be provided to the participants and other references will be suggested as required.

**DATES & TIME OF THE COURSE**

November 15, 2021 – 09:45 AM – 01.00 PM

November 16, 2021 – 10.00 AM – 01.00 PM

*Completed Registration form (provided in the end) should be sent to Course coordinators:*

Prof. Suparna Mukherji  
ESED, IIT Bombay  
Powai, Mumbai  
Ph. No.: 022-25767854  
e-mail: [mitras@iitb.ac.in](mailto:mitras@iitb.ac.in)

Prof. Swatantra Pratap Singh  
ESED, IIT Bombay  
Powai, Mumbai  
Ph. No.: 022-25767859  
e-mail: [swatantra@iitb.ac.in](mailto:swatantra@iitb.ac.in)

Prof. Amritanshu Shrivastav  
ESED, IIT Bombay  
Powai, Mumbai  
Ph. No.: 022-25767858  
e-mail: [amritan@iitb.ac.in](mailto:amritan@iitb.ac.in)

**Registration Form**  
**In-house Training Course on**  
**“Greywater Management”**  
***November 15-16, 2021***

Name (BLOCK LETTERS):	
Gender (M/F):	
Designation:	
Organization:	
Qualification:	
Experience (years):	
Mailing Address:	
Telephone:	(Office):
	(Mobile):
e-mail:	
Signature:	
Date:	