

Wastewater Treatment Master Class by AOWS

Training on Design & Operation of Wastewater Treatment Processes

@ Bangalore on 6 & 7 September 2025

2 Full Days (Saturday & Sunday)

The poster features a collage of three hexagonal images: a wastewater treatment plant with a large circular tank, turbulent water flowing through pipes, and industrial equipment including a green storage tank and a pump. The text is arranged on the left side of the collage. At the top left is the AOWS logo, a stylized blue house-like shape with a water drop. Below it, the text 'WASTEWATER TREATMENT' is written in large, bold, green capital letters. Underneath this, 'MASTER CLASS IN BANGALORE' is in black text on a yellow rectangular background. Then '2 FULL DAYS 6-7 SEPT. 2025' is in red text. Below that, 'Saturday & Sunday' is in black text on a yellow background. At the bottom left, contact information is provided: a phone icon followed by '+91 9227438951' and a globe icon followed by 'https://aows.in/stp-offline'. A purple button with white text 'Register Now' is positioned to the right of the contact info. At the very bottom left, 'LIMITED SEATS ONLY' is written in red on a yellow background. On the right side, overlapping the collage, is a green triangle pointing upwards with the white text 'SAVE ENVIRONMENT'.

Academy of Water Science – AOWS is inviting you to avail of this value-added opportunity to enhance your knowledge of wastewater treatment design & operation by participating in the Wastewater Master Class on Design & Operation of Various Wastewater Treatment Processes for Sewage Treatment Plants (STP). This Training Program will benefit professionals in all aspects of wastewater treatment, design, operation, planning and management. Kindly go through the details below and nominate delegates from your organisation.

BENEFITS OF ATTENDING: -

This 2-day program on **Process Design, planning for execution and Commissioning of WWTPs** will bring together the design of wastewater treatment processes, sludge treatment selection and design of physical, chemical and biological treatment processes, and design methodologies for water recycling. Our Guest Trainer, **Dr Shashibhushan Biliangadi** has 15 years of experience and is among the top wastewater instructors in India. **Dr Shashibhushan Biliangadi** is a consultant, designer and training instructor for wastewater treatment plants for many industries.

This program will show you how to carry out the key steps in the process design of all kinds of wastewater treatment and recycling plants. It will provide an essential refresher on the relevant underlying principles of engineering science, water chemistry and biology, together with rules of thumb commonly used by experienced practitioners. **This master class is especially beneficial to beginners and those having experience of 2-3 Years in the same field.**

About the Trainer:

Dr Shashibhushan Biliangadi

Civil and Environmental Engineer

Dr Shashibhushan Biliangadi has been working on various Research and Consulting projects since 2015. He holds a PhD degree from IIT Bombay and an MTech from IIT Guwahati in Civil and Environmental Engineering. His areas of expertise are Wastewater Treatment, Environmental Risk Assessments, Baseline and Morphological studies, and Water Management for Industries. He has experience working in research

Schedule & Topics to be covered: -

Day -1: 6th Sept. 2025

Morning Session: 10:00 AM to 1:00 PM

Introduction to Wastewater Treatment

1. Basic characterization of Wastewater
2. Pollution control board norms and how to design to meet complaints
- 2.2. Calculating sewage flow /demand as per codes: Treatment flowchart of STPs

Primary Treatment Processes

3. Primary Treatment Process
 - 3.1 Bar Screen design and selection
 - 3.2 Oil & Grease Chamber
 - 3.3 Coagulation – Flocculation & Sedimentation

Post Lunch Session: 2:00 PM to 5:30 PM

Secondary Treatment Processes

4. Aeration /Biological treatment
 - 4.1 Diffuser selection
 - 4.2 Agitator or pump design
 - 4.3 Blower selection

4.4 Valves and plumbing in biological tanks

5. Anoxic tank

6. Moving Bed Biological Treatment (MBBR)

7. Sequential Batch Reactor (SBR)

Day -2: 7th Sept. 2025

Morning Session: 10:00 AM to 1:30 PM

1. Biological Treatment continued

2. Secondary settling tank

3. Disinfection (UV /Chlorination), Sand and Carbon filter design

4. Troubleshooting issues in STP

Post Lunch Session: 2:00 PM to 5:30 PM

Planning for Execution & Commissioning

5. Plumbing materials selection and installation

6. Electrical panel selection

7. Automation

8. Solving design problems

Troubleshooting, Case Studies, Question / Answer

Note: Advanced, detailed training for ETP & ZLD can be opted for only by this batch of attendees after the completion of STP training

More Details as Below

- **Timing:** 10 am to 6 pm daily
- **Free Group Support:** One Year
- **Study Material:** Will be provided
- **Certificate:** Soft copy after completion of the Training

LIMITED SEATS ONLY

Early Bird offer: Extended until 3rd Sept. 2025

Discounted Fee: Rs. 6900 (Tax 18% inclusive)

Group Booking for 2 or more: Additional Discount of Rs. 1000 per participant

Early Bird Discount of Rs. 3000

After the Early Bird Offer, the regular Fee will be: - Rs. 9900 (Tax 18% inclusive)

Online Booking Link: <https://rzp.io/l/nLMviNT7>

Google Pay No: 9825024371, **UPI:** 9825024371@kotak

NEFT/Bank Transfer:

Account Name: JEM INDIA,

A/C No. 0788611000000252

IFSC: DBSS0IN0788

Bank Name: DBS Bank Limited,

LIMITED SEATS ONLY