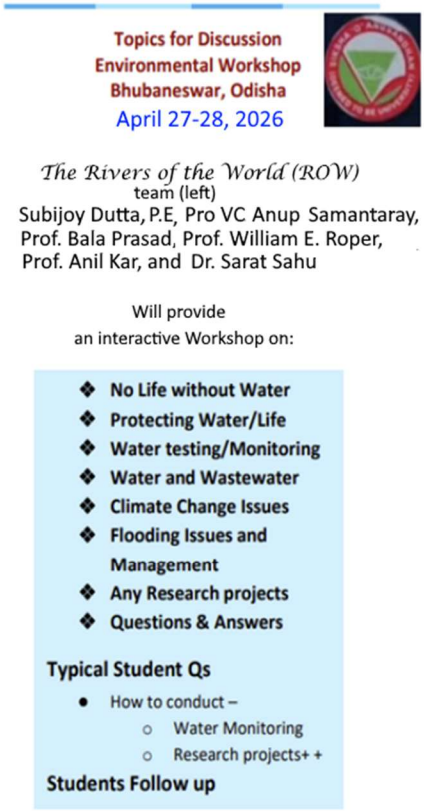
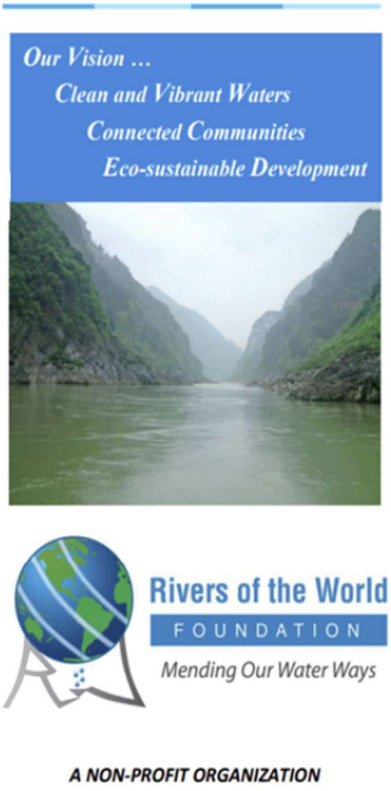
ROW / SOA International Workshop and Site visits, April 27-28, 2026

Location: Siksha O Anusandhan dtb University, Bhubaneswar, Odisha

https://rowfoundation.org





This workshop by the Rivers of the World (ROW) Foundation, USA, in collaboration with the Siksha O Anusandhan (SOA) deemed to be (dtb) University, Bhubaneswar, Odisha, will include a comprehensive training in water, waste management, and climate change areas. It should provide ideas and incentives for the new and upcoming professionals to begin a few hands-on practices to protect their rivers, water, and communities from the impacts of climatic disasters. The classroom (in-person) training workshop on April 27th, Monday (Day 1) will be followed by a site visit to impacted rivers/water bodies and water quality testing of TDS, pH, Conductivity, and Dissolved Oxygen (DO) on April 28th, Tuesday.

Interactions between the local organizations, NGOs, SOA University students, faculty members and the experts from US, and India is expected to provide an interactive learning environment for all. This workshop will be covering the latest science and local knowledge/practices.

For the final program and registration, you can send email to rowfoundation@gmail.com . You can also contact Prof. Anup Samantaray or send email to Prof. S.C. Sahu at director.cec@soa.ac.in

Tentative Agenda

Day 1 (April 27, 2026, Monday) (9:30 AM – 5:30 PM)

1. **Introduction & Scope** (0.5 hr.)
   a. Opening Remarks (VC/Pro-VC SOA)
   b. Introduction (TBA)
   c. Overview of the training (Subijoy Dutta, P.E.) – Brief Summary

2. **Sustainable Cities – The Transformation of Singapore**
   a. Prof. William E. Roper, President, ROW Foundation (Virtual from Washington, DC Area)
   b. Q&A

3. **Flooding Issues and Management** (30 min.)
   a. Necessity of Flood Plain Zoning for Effective Flood Control (Prof. Anil Kar, VSSUT, Sambalpur, Odisha)
   b. Q&A

4. **Climate Change (**1.5 hrs.)
   a. Climate Change and Early Warning System (Dr. S.C. Sahu)
   b. Global impacts of Climate Change – Building resilience, involving communities and setting up weather monitoring stations for Himalayan Glaciers (Subijoy Dutta, P.E.)
   c. Q&A

5. **Lunch (1 – 2 PM)**

6. **Comprehensive Waste Management for a Healthy Living**
   a. MSW - Options for treating/Disposal of MSW (Subijoy (Dutta, P.E.)
   b. Q&A
7. **Biodiversity and Natural Resources (30 minutes)**
   a. **Biodiversity and conservation of Natural resources - Prof. Sharat Kumar Palita**
   b. **Wellness with Hydrogen plus water (15 minutes) – Mrs. Dimple Sahoo**

8. **Community Engagement for a Comprehensive Waste Management** (30 min.)
   a. Engaging with Communities – Awareness Program – Award winning village – Gokul, U.P following UN World Water Day (2025) – case study (Subijoy Dutta, P.E.)
   b. Q&A

9. **Wrap-up, Evaluation and Feedback** (1 hr.)
   Wrap-up
   Evaluation of Participants (multiple choice Qs)
   Short Feedback from the participants
   Awarding Certificates to Successful Participants from 2025

10. **Valediction**

Day 2 (April 28, 2026, Tuesday)
Visits to River Sites – Daya River and other streams nearby (10:00 AM **– 2:00 PM)**

Finalize Activities and visits to Rivers, and locations with local coordinators + SOA .
Activities: -
Water Testing and evaluating health of the water bodies, visiting with local people to listen to their concerns, comments, and willingness to help; Conduct field tests – **pH, Conductivity, TDS**, Turbidity, and **Dissolved Oxygen** levels of the water bodies around Bhubaneswar.

Details on the Proposed Workshop

This course should provide answers to many of the above items for the participants. This should have a direct benefit in their knowledge and understanding of environmental problems, issues, and possible remedies. At the end of the training on Day 1, **participants will have an evaluation** to confirm their learning and comprehension of the specific subject area by responding to a few multiple-choice questions.

Upon successful completion of the program, the participant should have a clear understanding of the following –

A. General -

- Appropriate scientific rules and methods adopted to solve problems.
- The logic and reasoning used to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to solving problems.
- Technical sentences and paragraphs in professional documents.
- Verbal communication to convey information effectively
- Active listening with full attention to what other people are saying, taking time to understand the points made.
- Basics of – Climate change issues, Municipal Solid Waste management, Water and Wastewater management for a healthy life, Community interaction, Sustainable cities, Path to human wellbeing and environmental education/awareness.

B. Water and Environment

- Municipal Waste Management –
- Water and Wastewater
    - What does clean water mean from the human health perspective? What we need to do for safe management/treatment of wastewater to live a healthy life and to safeguard our water resources for the future generations.
- Engaging with communities
    - How to engage with the communities and work towards a comprehensive waste management plan involving the local communities.