

ROW / SOA Environmental Workshop and Site visits, April 19-20, 2024

Location: Siksha O Anusandhan dtb University, Bhubaneswar, Odisha

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 Day 1 will be followed by a site visit to impacted rivers/water bodies on April 20th, Saturday.

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

For the final program and registration information please visit <http://rowfoundation.org> . You can also contact Dr./Prof. Anup Samantaray at dean.ibcs@soa.ac.in

Tentative Agenda

Day 1 (April 19, 2024, Friday) (9:30 AM – 5:30 PM)

- 1. Introduction & Scope (0.5 hr.)**
 - a. Opening Remarks (VC/Dean SOA)
 - b. Introduction (TBA)
 - c. Overview of the training (Subijoy Dutta, P.E.) – Brief Summary
- 2. Climate Change (2.0 hrs.)**
 - a. Impact of Climate Change on Odisha Rivers (Dr. S.C. Sahu)
 - b. Global impacts of Climate Change – Building resilience and reversal of global warming (Subijoy Dutta, P.E.)
 - c. Q&A

Break - 10 minutes
- 3. Water and Wastewater – Proper use and treatment for a healthy living (1 hr.)**
 - a. Dr. Prakasam Tata
 - b. Q&A
- 4. Lunch (1 – 2 PM)**
- 5. Municipal Solid Waste – Waste to Energy Options (1 hr.)**
 - a. MSW - Options for treating/Disposal of MSW (Subijoy (Dutta, P.E.)
 - b. Q&A
- 6. Community Engagement for a Comprehensive Waste Management (30 min.)**
 - a. Engaging with Communities to practice a comprehensive waste management – case studies (Subijoy Dutta, P.E. and Dr. Prakasam Tata)

- b. Q&A
- 7. Education/Awareness (30 min.)**
 - a. Women Involvement and Community Interaction (TBA Mrs. Bichitra Biswal, NGO)
 - b. Q&A
- 8. Wrap-up, Evaluation and Feedback (1 hr.)**
 - Wrap-up
 - Evaluation of Participants (multiple choice Qs)
 - Short Feedback from the participants
 - Certificates Presentation to Successful Participants from 2023
- 9. Valediction**

Day 2 (April 20, 2024, Saturday)

Visits to River Sites – Daya, Rushikulya, Brahmani and/or Others (10:00 AM – 2:00 PM)

- 1. Plan for the specific areas to be visited - 9:30 AM**

Finalize Rivers, locations with local coordinators + SOA – Activities: water testing; visiting with local people to listen to their concerns, comments, and willingness to help; collect data and information
- 2. Return to Bhubaneswar**
 - a. Brief SOA - Dr. Anup Samantaray and others.

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 of their interest 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 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, Alternative Energy, Community interaction, Path to human wellbeing and environmental education/awareness.

B. Water and Environment

- Municipal Waste Management –
 - Door to Door Collection, segregation at source, composting, waste to energy alternatives, and possible funding sources/agencies.
- 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.
 - Solar, Wind, and other alternatives
- Engaging with communities
 - How to engage with the communities and work towards a comprehensive waste management plan involving the local communities.
 - Ideas to begin such practices from the case studies included in the training seminar and follow up by visiting sites with NGOs and local coordinators.