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### ROW Foundation/SOA Training Workshop and Site visits, April 27-28, 2023

The Rivers of the World (ROW) team (left column) -Subijoy Dutta, along with Dr. Sarat. C. Sahu, Director, Center for Environment & Climate, and Dr. Anup Samantaray, Dean, IBCS, SOA, Dr. Ranjan Panda, NGO, Mrs. Bichitra Biswal, NGO will provide a detail and interactive workshop on:

#### CLIMATE CHANGE

##### -No Life without Water


- ◆ Protecting Water/Life
- ◆ Status of Odisha Rivers
- ◆ Municipal Solid Waste
- ◆ Community Engagement
- ◆ Women involvement
- ◆ Any Research projects
- ◆ Questions & Answers

#### Typical Student Qs

- How to conduct –
  - Water Monitoring
  - Research projects+ +

For the program and Registration information please visit <https://rowfoundation.org>, or write to:  
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Local Contact: Dr. Anup Samantaray  
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*Our Vision ...*  
*Clean and Vibrant Waters*  
*Connected Communities*  
*Eco-sustainable Development*




**Rivers of the World**  
FOUNDATION  
*Mending Our Water Ways*

**A NON-PROFIT ORGANIZATION**  
**DEDICATED TO**  
**RESTORING AND PROTECTING**  
**RIVERS AND STREAMS**  
**OF THE WORLD**

[www.rowfoundation.org](http://www.rowfoundation.org)  
Based in Maryland, USA

## ROW Foundation/SOA Training Workshop and Site visits, April 27-28, 2023

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 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 practice to protect their rivers, water, and environment. The classroom (in-person) training workshop on Day 1 will be followed by a site visit to impacted rivers/water bodies on April 28<sup>th</sup>, Friday.

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](mailto:dean.ibcs@soa.ac.in)

## Tentative Agenda

### Day 1 (April 27, Thursday, 2023) (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) – 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)
  - c. Q&A

Break - 10 minutes
3. **Status of Rivers in Odisha** (1 hr.)
  - a. Mahanadi Bachao Jojana ( Dr. Ranjan Panda )
  - 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)
  - 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)
  - b. Q&A
7. **Education/Awareness** (30 min.)
  - a. Women Involvement and Community Interaction (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
9. **Valediction**

### Day 2 (April 28, Friday 2023)

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

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. The participants will have an evaluation at the end of the training to confirm their learning and comprehension of the specific subject area of their interest. 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.
- Renewable and waste to Energy
  - Waste to Energy – evolving technologies towards safe conversion of waste to energy
  - 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 site visits with the NGOs and local coordinators.