TECWA - 2023

About the workshop:

Clean air and water support healthy brain and body function, growth, and development. Air quality is closely related to the earth's climate and ecosystems globally. Many of the contributors of air pollution are also sources of greenhouse emission. Two thirds of the earth's surface is covered by water and the human body consists of 75 percent of it. It is evidently clear that water is one of the prime elements responsible for life on earth. Water quality is under increasing pressure from demographic and climatic changes. Air quality mitigation and treatment processes play a key role in sustainable development. This workshop aims to bring together environmental researchers, scientists, engineers, and urban planners to exchange and share their experiences, new ideas, and research results about all aspects of air and water and discuss the practical challenges encountered and the solutions adopted through the presentation and discussion.

Registration link:
https://forms.gle/953JpU3x8g24cAF87

Registration Form

Name: .....
Designation:.....
(Student/Faculty/Industry).....
Organization: .....
Specialization: .....
Address:.....
Mobile: .....
Email: .....
Accommodation Required (Yes/No): .....

Registration Fee Details:

Amount: Rs .....
Payment Date: .....
Transaction Number: .....
Place:.....
Date: .....
Signature of Applicant.....

The registration fee can be paid directly by online transfer (NEFT/RTGS).
A/c Name: CONTINUING EDUCATION, NIT ROURKELA
A/c No.: 10138951784
Bank - SBI, NIT Campus, Rourkela Bank
Branch Code – 002109
IFSC cede : SBIN0002109
No registration fee for students & faculty of NIT Rourkela

Employees from the Industry and R & D Organizations	Rs. 3000/-
Faculty from Academic Institutions	Rs. 2000/-
Research scholars and students (Offline)	Rs. 1000/-
Research scholars and students (Online)	Rs. 500/-

A National Workshop On

Technological Emergence for Clean Water and Air (TECWA-2023)

(HYBRID MODE)

(29th May – 2nd June 2023)

NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

ORGANIZED BY

Department Of Civil Engineering
NIT Rourkela
India- 769008

Content of workshop

The workshop clean air & clean water will focus various air pollution mitigation and treatment processes of water & wastewater to undertake complex works of air & water scientists, technologists and engineers with the skills to solve practical problems, communicate effectively and work successfully both in teams and individually. At the end of the workshop, the participants will appreciate the conventional problems and gain knowledge on emerging mitigating technologies. Topics to be covered can be broadly summarized as

- Meteorology and atmospheric stability
- Air quality monitoring and modeling
- Air quality index
- Emission inventory and source apportionment
- Remote sensing &GIS
- Biological process
- Advanced water & wastewater treatment
- Recycling &recuse of wastewater
- Quality and health effects,
- Climate change,
- Green house gases,
- Water pollution and prevention, water harvesting techniques,
- Centralized and decentralized water supply system,
- Strategic planning and implementation in water conservation,
- Eco-solutions for wastewater treatment,
- Management of sludge from water and wastewater system,
- Low cost wastewater management

Venue

The workshop will be held from 29th May 2023 to 2nd June 2023 at National Institute of Technology, Rourkela, Odisha, India. National Institute of Technology Rourkela was founded as Regional Engineering College, Rourkela in 1961. With a vision to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for society and be a preferred destination for undergraduate and graduate studies, NIT Rourkela has been constantly striving to serve te society since its very inception in 1961. At present, it ranks 271-280 in QS World University Asia Ranking-2022 and 801-1000 in THE World University 2022, steadily progressing to achieve all the epitomes of world level recognitions. The institute is an internationally acclaimed institution of higher learning that serves as a source of knowledge and expertise for the society and is a preferred destination for undergraduate, postgraduate, and research students. Rourkela is well connected to all the major cities of India by railway network. Rourkela railway station is approximately 6 km from NIT Campus.

INTENDED ATTENDEES

Engineers from Government organizations/ industries, architects, urban planners, environment consultants and NGOs with interest in the theory, practice and policy of air, water & wastewater management. The participation in this workshop is open to faculty and students of recognized technical institutes, researchers from the research laboratory, engineers from industries and any other interested personnel. The successful participants will be given a participation certificate.

ACCOMODATION

Accommodation can be arranged for outside participants at NIT guesthouses and hostel on a payment basis (Twin sharing) based on availability. No TA/DA will be provided.

No registration fee will be collected from students, research scholars, faculty members, or non-teaching staff of NIT Rourkela.

IMPORTANT DATES

Last date of registration 22nd May 2023

Notifications of participants 23rd May 2023

Workshop duration 29th May to 2nd June 2023

Organising committee

Patron

Prof. Umamaheshwar Rao,
Director, NIT Rourkela

Chairperson

Prof. Chittaranjan Patra
Head, Civil Engineering, NIT Rourkela

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