ABOUT THE CONFERENCE THEME

Greywater accounts to nearly 70% of community wastewater, and its disposal without treatment is one of the reasons of the deterioration of water environment quality posing public health and related socio-economic problems. On the other hand, the treatment and reuse of grey water for different applications can substantially reduce fresh water consumption at household and community level. The disposal of treated greywater will also reduce the risk of ground water contamination. The treated grey water can be used for different non potable applications like irrigation, horticulture, floor washing, cleaning, toilet flushing, etc. This will be a sustainable approach to address the water shortage especially in rural areas. Community level or individual household level greywater treatment (decentralized or onsite grey water treatment and reuse systems) are highly important in this scenario. Moreover, implementing greywater systems fosters community engagement and education around water conservation, empowering individuals and communities to embrace sustainable living practices. Therefore, the present National conference focuses on the latest development in onsite grey water treatment for Indian scenario with emphasis on case studies on community level treatment systems.

TOPICS COVERED

- Concept & Design in Grey Water Treatment.
- Case studies on Grey Water Treatment Systems.
- Regulations and Reuse guidelines for grey water.

ABOUT CSIR-NIIST

Established in 1975, **CSIR-NIIST** is renowned for its outstanding contributions across diverse R&D areas including Spice & Oilseeds processing, Functional foods, Materials & Minerals Processing, Metal castings, Natural products, Energy materials, Inorganic, Organic & Photonic materials, Biotechnology, Biofuel, Environment cleanup, Environment management, etc. It has consistently ranked among the top institutes for the quality and quantity of its research outputs.

At CSIR-NIIST, a diverse array of research endeavors flourishes within its well-equipped laboratories and advanced facilities, and highly qualitied scientific and technical staffs. The institute fosters a culture of scientific inquiry and discovery. Moreover, its focus on applied research ensures that scientific breakthroughs are translated into tangible technologies that benefit society and contribute to industrial progress. Over the past four decades NIIST has developed many technologies that are highly relevant to the society and industries, and catering to National mission programmes.

NIIST is also actively involved in Human resource development through its various academic programs, including Ph.D., M.Tech/M.Sc. projects, Internship, as well as through various Training and Skill development Programmes.

सत्यमेव जयते

Department of Water Resources, RD & GR, Ministry of Jal Shakti

"Onsite Grey Water Treatment & Reuse Systems"

20-22 March 2024

Organised by

CSIR – National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram

Poster Presentation

- Participants are encouraged to present their posters on Greywater Treatment during the seminar. Best three entries will be suitably rewarded.

Target Group

- Water and wastewater practitioners
- Officials from various government departments, NGOs, Private Firms, Start-ups working in this area.
- Students pursuing Masters in Environmental Science/Engineering and/or equivalent

Fee and Registration Link

- No Registration Fee.
- Participation is subject to short-listing based on the availability and relevance of the candidates
- Registration Link: http://tinyurl.com/yc4j9dut

Note: Lunch and light refreshments will be provided to all participants. However, the participants are requested to make their own accommodation.

Organizing committee

Patron:
Dr. C. Anandharamakrishnan
Director, CSIR-NIIST, Thiruvananthapuram

Chairman:
Dr. C. Kesavchandran
Head, Environmental Technology Division

Convenor:
Dr. Krishnakumar B.
Environmental Technology Division, CSIR-NIIST

Co-Convenors:
Dr. Akshay D. Shende
Er. Saurabh Sakhre
Dr. Shermi C.

Technical Committee:
Dr. Parthakundu
Er. Abdul Haleem B
Dr. Prathish K.P.
Er. Dhani Babu T
Er. Sravanth T.
Dr. Knawang Chhunji Sherpa
Dr. Joshy George
Mr. Shajikumar V.K.
Mrs. Saharuba PM
Mrs. Meenu V Baby
Mr. Athul K.

Important Dates
Registration Begins - March 01
Registration Close – March 10,
Confirmation to participants - March 12

Contact Details
Akhil Vikraman, Mob-6282462332
Reshma C S, Mob-9207106264

Environmental Technology Division

NIIST Environmental Technology Division is at the forefront of developing innovative technologies aimed at the management and mitigation of environmental pollution. This division plays a pivotal role in addressing various aspects of environmental challenges, including solid waste management, wastewater treatment, Odour control, Ground water remediation, Soil remediation, Phytoremediation, etc. The division is actively engaged in the surveillance and remediation of toxic contaminants, employing cutting-edge technologies to restore environmental health. Furthermore, its expertise extends to conducting comprehensive environmental impact assessments, ensuring sustainable practices and minimizing ecological footprints. In addition, the division has unique expertise and facility in monitoring dioxins, ambient air quality, and utilizing remote sensing and GIS applications for spatial analysis. With a forward-looking approach, the division is also involved in the exploration of green hydrogen energy, contributing to sustainable and clean energy solutions. The expertise in environmental toxicology further enhances the division's capabilities, making it a crucial hub for advancing technologies that address the complexities of today's environmental challenges.

Model Grey water Treatment facility in NIIST campus