



Sponsored By
Science and Engineering Research Board
under the Accelerate Vigyan Scheme

High End Workshop on Sustainable Water and Energy Solutions

Organized by

Centre for Waste Management

Sathyabama Institute of Science and Technology (SIST),

(Deemed to be University)

Chennai, Tamil Nadu

**24th - 30th June,
2024**

About the University

Sathyabama Institute of Science and Technology is one of South India's premier Academic and Research Institutions that offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, Management, Dentistry, Law and Nursing.

It has been Accredited with 'A++' Grade by the National Accreditation and Assessment council and recognized as Category-I University by UGC. Sathyabama's standing in rankings and ratings are excellent at National and International level. For the year 2023, Sathyabama Institute of Science and Technology has been ranked in 51st position among the Universities in India by the National Institutional Ranking Framework (NIRF), Government of India. NIRF has consistently ranked Sathyabama in the top positions and this is the seventh consecutive year the Institution is receiving this recognition.

About the CWM

To encourage and motivate researchers across the globe, several research centers have been initiated in the institution and are progressively working towards innovation in the field of Science and technology. Sathyabama Institute of Science and Technology with the joint initiative of the National Solid Waste Association of India (NSWAI) has established the Center for Waste Management in 2011. Center was devoted to develop innovative products, patent liable novel ideas in Waste Management, publish experimental outcomes in Q1 journals, train graduate students, offer consultancy services and pursue outreach activities so as to translate the research findings to the society for environmental and economic benefits.

The centre through its innovative technologies would encourage Research and Developmental activities for cleaner and greener environment and will also promote public awareness in waste segregation and management.

About the Workshop

Energy, water and sanitation are some of the most cross-cutting and deeply embedded factors affecting the daily lives of people all over the world. These factors are essential to achieve poverty eradication, social wellbeing, economic growth and global prosperity. Important challenges related to water and energy are faced by many countries in their efforts to achieve sustainable development. Also, water and energy are strongly interlinked to environmental issues including climate change, terrestrial and water ecosystems, and biodiversity. The importance of energy and water is recognized by the 2030 Agenda for Sustainable Development which includes the Sustainable Development Goals 6 on water and 7 on energy. SDG 6 calls for ensuring availability and sustainable management of water and sanitation for all and SDG 7 calls for ensuring universal access to affordable, reliable and modern energy services.

The main objective of this workshop is to enhance the capacities of young researchers including PhD Students and 2nd Year Master's Students from Tier - II & III institutes with Chemical Engineering, Environmental Engineering, and Bio-Engineering background to effectively manage the water-energy nexus and interlinkages with other SDGs covering the social, economic and environmental dimensions of sustainable development. The event will provide a global platform for all stakeholders to disseminate knowledge, exchange experiences and showcase best practices on integrated approaches that support sustainable water and energy solutions. It will also represent an opportunity for dialogue on effective policy, and technical and managerial approaches to water and energy supporting sustainable development. It would be an eminent opportunity for young researchers to bring up to date their knowledge in latest technologies.

Organizing committee

Patrons:

Dr. Mariazeena Johnson,
Chancellor, SIST, Chennai.

Dr. Marie Johnson,
President, SIST, Chennai.

Mr. Arul Selvan,
Vice-President, SIST, Chennai.

Ms. Maria Bernadette Tamilarasi,
Vice-President, SIST, Chennai.

Ms. Maria Catherine Jayapriya,
Vice-President, SIST, Chennai.

Convener:

Dr. T. Sasipraba,
Vice-Chancellor, SIST, Chennai.

Organizing Chair:

Dr. Dawn S. S.
Professor & Head,
Centre for Waste Management, SIST, Chennai.

Organizing Secretary:

Dr. Sathish Kumar Ramachandran.
Associate Professor, Centre for Waste Management, SIST, Chennai.

Target Participants

Motivated Post-Doctoral, Doctoral & Master's students in Material Science, Chemistry, Environmental Engineering, Chemical Engineering, and Bio-Engineering

Important Dates

Last date for registration: **01-06-2023**

Notification to selected participants : **15-06-2023**

Registration & Guidelines

- The course will be completely free of cost for the shortlisted participants.
- The applicants shall produce an endorsement letter from their Head of the department indicating their enrolment with the institute and "No Objection Certificate (NOC)" for permitting to undergo training in the workshop, if selected.
- For registration, [click here](#)

Contact Us

Centre for Waste Management,
Sathyabama Institute of Science and Technology
(Deemed to be University),
Jeppiaar Nagar, Rajiv Gandhi Road,
Chennai-600119, Tamilnadu, India
Phone : +91-9715270393.
Email: sathishkumar,ramachandran.cwm@sathyabama.ac.in
<https://www.centreforwastemanagement.com/contactus.htm>

