

About 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

About Conference

ICWEE-2021 promotes the major themes of sustainable waste utilization, energy and environmental engineering. Waste is a valuable resource for recovery of various value added products. Energy engineering is the emerging discipline for achieving negative carbon emission. Environmental engineering aims to provide clean water, air and land for better living as per sustainable development goals (SDGs). This forum will be a platform for researchers, scientists, academicians, etc to share their research ideas in achieving SDG goals.

About Chennai

Chennai, capital city of Tamil Nadu is a historical city of India, residing on the coromandel coast of Bay of Bengal. It serves as a major cultural, economical, educational and commercial center of south India. It has numerous UNESCO heritage sites in Mahabalipuram, Marina beach, theme parks, Arignar Anna Zoological park, etc.

Who We Are

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. Sathyabama's standing in rankings and ratings are excellent at National and International level. For the year 2020, Sathyabama Institute of Science and Technology has been ranked in 39th position among the Universities in India by the National Institutional Ranking Framework (NIRF), Government of India. NIRF has consistently ranked Sathyabama in the top 50 positions and this is the fifth consecutive year the Institution is receiving this recognition.

Organizing committee

Patrons

Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Ms. Maria Bernadette Johnson, Vice-President
Dr. T. Sasipraba, Vice Chancellor

Conveners

Dr. Arun J, Assistant Professor (Research), CWM
Dr. Dawn S S, Professor (Research), CWM
Dr. Vinita Vishwakarma, Professor (Research), CNSNT

Co-Conveners

Dr. Sathish S, Associate Prof & Head, Chemical
Dr. Prabu D, Associate Prof, Chemical
Ms. Nirmala N, Scientific Assistant, CWM
Mr. Santhosh A, Project Assistant, CWM



Sathyabama

Institute of Science and Technology
(Deemed to be University)



Organizes

2nd International Conference
on
Waste, Energy and
Environment - 2021

ICWEE-2021

23-09-2021 to 24-09-2021



organised by
Center for Waste Management &
Center of Excellence for Energy Research
jointly with
Department of Chemical Engineering



Topics to be covered

The topic's which are covered are

Energy Engineering (SDG 7, 15)

- Renewable energy - Biofuels
- Applied Catalysis in Energy Engineering
- Thermo-chemical Conversion of Biomass into Fuel
- Energy Storage, Conservation and Conversion
- Energy from Biomass, Water, Waste
- Alternative fuels Strategies for India
- Engine performance and Emission Studies
- Sustainability and Clean Energy
- Fuel Cell Technologies
- Energy Materials and Devices
- Solar cells and Energy
- Nano-technology in Energy and Environment
- Biomass and Bio-energy
- Process Modelling, Simulation and Chemical Reaction Engineering

Waste Processing (SDG 1, 2, 7, 15)

- Waste to Bio-energy (Bio-gas, Bio-oil, Bio-diesel, Bio-hydrogen, Bio-ethanol, Bio-methanol, etc)
- Biomass and Feedstock Utilization
- Biopolymer and Bio-plastics
- Bioprocesses and Bioproducts from Waste
- Waste Valorisation for Sustainable Development and Green Engineering
- Solid waste and Hazardous Waste Management
- Resource recovery from E-Waste
- Sustainable Processing of Plastic Waste, Sludge, Bio-medical waste, Biomass, etc
- Waste Processing via Artificial Intelligence and IoT, etc
- Safety Engineering and Occupational Health
- Labor Safety and Sanitation
- Workplace Risk Management
- Public Health and Environment
- Waste Minimization and Pollution Prevention

Environment and Water Quality (SDG 6, 13, 14)

- Water Management for Sustainable Cities
- Wastewater Discharge Processing
- GIS Application for Water Management
- Removal and Degradation Strategies for Organic pollutants and other Emerging Pollutants

Contd.....

- Biochar based materials in water and environment
- Water Purification
- Adsorption, Bio-Remediation, Advanced Oxidation Process, Other Techniques, etc
- Nano-materials and Nano-Composites in Water Treatment
- Industrial Wastewater Treatment
- Water Pollution and Water Quality Control
- Sludge Management in Treatment Regimes
- Marine, Terrestrial and Freshwater Ecosystems
- Resource Recovery from Wastewater

Environmental Engineering (SDG 3, 6, 13, 14)

- Climate Change and Global Warming
- Air, Soil, Water Pollution and Modelling
- Air Quality Control
- Carbon Capture, Storage and Utilization
- Resource Recovery During Pollution Control
- GIS Application for Air Pollution Modelling
- Soil Health Assessment
- GIS Application for Land Use
- Environmental Risk Assessment
- Ecology and Mitigation Engineering
- Environmental Fate Studies (Transport, Bio-accumulation, Bio-degradation, etc)
- Environmental System Modelling and Optimization
- Economic, Social and Policy towards Environmental Management

Registration fees

Students & Research scholars : Rs. 500

Academicians & Industrial person : Rs. 1000

Foreign Delegates : 40 USD

Publication charges extra (if applicable)

For further details like template for abstract, registration form visit conference website

<http://www.icwee2018.com/2021/>

Important dates

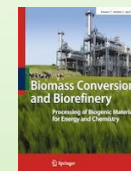
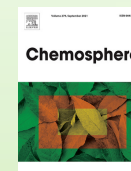
Abstract submission deadline : 30-08-2021

Notification of acceptance : 05-09-2021

Early bird registration : 15-09-2021

Publishing partners

- For detailed guidelines on publication process kindly visit conference website



Chemosphere (IF: 7.08)

Biomass Conversion and Biorefinery (IF: 4.987)

Conference proceedings (With ISBN Number)

Few more journals will be updated shortly.....

Payment details

1. **GPay and PhonePe** : 9080713565

2. **Demand draft** : Demand Draft in favor of "Sathyabama institute of science and technology", payable at Chennai, INDIA.

3. **Netbanking** :

Account Name : "Dean (Publications & Conferences), Sathyabama institute of science and technology (Deemed to be University) "

Account Number : 891734627

IFSC Code : IDIB000T020

SWIFT Code : IDIBINBTLT

Branch code : 098

Bank & Branch : Indian bank, Thousand lights branch, Chennai - 600 006, India.

Kindly send screenshot of payment along with registration form

Contact us

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