

DEPARTMENT OF CIVIL ENGINEERING

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**PERIYAR
MANIAMMAI
UNIVERSITY**
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think • innovate • transform

International Conference on

“Combating Climate Change, Saving lives and Sustainable Development”

Date: Jan 23rd & 24th, 2020

Periyar Maniammai Institute of Science and Technology organized an International Conference on Combating Climate change, Saving lives and Sustainable Development on Jan 23 & 24, 2020 at Institution premises. As an effort to integrate all the challenging issues in climate change and its impact on a single platform, the themes have been identified. The international conference was jointly organized with Cape Breton University, Canada and Poovulagin Nanbargal an environment Organization, Chennai.

Dr. Lawrence Surendra Professor, Council Member, The Sustainability Platform (TSP), Asia delivered the Inaugural address on 23.1.2020 at 9:30am and Dr. Arasu Chellaiah, Professor from University of Maryland, Baltimore, United States, Er. G.Sundarrajan Environmentalist, Poovulagin Nanbargal, Chennai, Prof. Dr. S. Subramaniyan, Former Vice Chairman, Environment Appraisal Committee (Mining), Member, National Biodiversity Authority, Ministry of Environment, Forests and Climate Change, New Delhi Dr. Martin Mckandawire, Professor, Chemistry from Cape Breton University, Canada, Dr. P. Shanmugam, Sr. Principal Scientist, CSIR-Central Leather Research Institute, Chennai were addressed the participants.

During Technical sessions, Dr. Lawrence Surendra highlighted the Significance of Sustainability Development and Environmental Economics. The potential of methane production from the organic wastes was narrated by Dr. P. Shanmugam. Er. G.Sundarrajan motivated the students to have Environmental consciousness. The innovative applications of Nanotechnology were summarized by Dr. C. Gajendran, Professor, Karunya Institute of Technology and Sciences.

Dr. Richard Sekar, Entrepreneur explained the invention of his Garbage Cleaning Vacuum Pump and motivated the students to become an entrepreneur to solve the Environmental issues. Conversion of Open dumping yard into Eco park with practical experience was explained to the gathering by Dr. S. T. Ramesh, Professor, National Institute of Technology,

Trichy. The reduction of CO₂ through phytoremediation techniques was explained by Dr. M. Govindaraju, Co ordinator, Centre for Climate Change, Bharathidasan University, Trichy.

The second day of the Conference started with the Technical session by Dr. Martin Mckandawire. He described the experimental works carried out for the Conversion of Methane into Methanol. Dr. T. Subramani, Professor, Anna University, Chennai enlightened the session with his project work carried out for the conservation of water resources. Dr. S. Subramaniyan narrated the Approach and threats towards Environment Conservation. Thiru. M. Vetriselvan, Advocate, Poovulagin Nanbargal Organisation motivated the students and participants to come forward to protect the Environment through their innovations in Engineering. Dr. D. SanthoshKumar, Deputy Manager, R & D Department, BHEL, Trichy described the ways and means to reduce the carbon emissions. The potential of water resources in Tamilnadu and methods to conserve the water resource was delivered by the Dr. K. Ramaswamy, Professor, KalaignarKarunanithi Institute of Technology, Coimbatore. Contribution of innovative technologies in CO₂sequestration was explained by Dr.S.Mohan. Dr. A.M. Shivsamy, Professor, Nanjangud, Mysuru University motivated the gathering to participate in Environmental Protection.

Dr.S.Mohan Professor from Environmental and Water Resources Engineering Division Indian Institute of Technology Madras presented the valedictory address during the Valedictory session on 24th, Jan 2020 at 3:00pm. Delegates from Anna University, Chennai, Bharathidasan University, National Institute of Technology, Trichy, Dr.Mahalingam College of Engineering & Technology, Pollachi, Karunya Institute of Technology and Science, Coimbatore, Environmental division of Dalmia Cements Ltd were participated and gathered the information. Presentations by research scholars from various institutions were conducted simultaneously.

As a part of environment consciousness in achieving zero carbon towards 2025, PMIST has decided to revisit our existing policy initiatives as well as to develop new ones to address the key issues such as climate change and Environment protection through technical deliberations and discussions.

The conference provided a highly rewarding experience in addressing research problems and impetus to further our research initiatives.

REGISTRATION FORM

Name :
 Department :
 Organization :
 Gender :
 Age :
 Education :
 Qualification :
 Address for :
 Communication :
 Mobile Number :
 E-mail id :
 DD.No :
 Amount :
 Date :
 Name of the bank :
 Need accommodation : YES / NO
 Signature of the Candidate :
 Signature and Seal of :
 Head of the Institution :



INTERNATIONAL CONFERENCE ON COMBATING CLIMATE CHANGE, SAVING LIVES AND SUSTAINABLE DEVELOPMENT

January
 23 & 24,
 2020

Organized by
 DEPARTMENT OF CIVIL ENGINEERING, MECHANICAL ENGINEERING,
 BIOTECHNOLOGY and
 CENTER FOR ENERGY AND ENVIRONMENT

Periyar Maniammai Institute of Science & Technology
 (Deemed to be University)

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ABOUT PMIST

Periyar Maniammai Institute of Science & Technology is proud to be a unique institution of higher learning and academic excellence. In an endeavor to fulfill the dreams of our Mentors Thiruvalluvar and Annai Maniammai, the Institute is dedicated to its societal responsibility for transforming students from different parts of India and abroad into stalwarts by igniting their hidden talents. The University is committed to a green policy which includes sustainable development activities like landscaping and vegetation, water conservation, energy conservation, waste management and green building materials like flyash bricks. The Institute aims to achieve Zero Carbon Footprint by 2030. One of the ways identified for achieving this goal is reduction of wastage in energy and increasing the use of renewable energy. All pervasive greenery on the sprawling premises of the Institution symbolizes the institution's success in countering environmental pollution and promoting Eco-friendliness.

OBJECTIVES OF THE CONFERENCE

- Inspiring interactions among Scientists, Industrialists and decision makers
- Acquiring information on recent issues related to environment and climate change
- Exchange of facts about latest innovations in climate change mitigation and management.
- To get exposure on the green technologies for energy recovery and conservation for sustainable environment.
- Understanding of novel technologies in waste management
- Deliberating on existing policies, science, knowledge and research concerning sustainable development across the globe.
- Identify institutional innovations and best practices required to advance for sustainable environment and achieving zero carbon.

ADVISORY COMMITTEE

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Dr.K.Veeramani
 Esteemed Chancellor, PMIST

PATRONS

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 Vice Chancellor, PMIST
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Dr. J. Jayachitra, Dean FCSE, PMIST

MEMBERS

Dr.S.Mohan, IIT Madras, Chennai
Dr.Araon Chelliah,
 University of Maryland
Dr.Martin M.Randavire,
 Cape Breton University, Canada
Et.G.Sundarajan,
 Environmentalist, Poovalagin Nanbaragi

ORGANIZING SECRETARY

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 Department of Civil Engineering,
 PMIST

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 Department of Mechanical Engineering,
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 Center for Energy and Environment,
 PMIST

THEMES OF THE CONFERENCE

- Modes of climate variability
- Adaptation to Climate Change
- Energy efficiency
- Environmental management strategies
- Waste Management

Modes of climate variability

- Scenarios and vulnerabilities and international and national policy responses
- Impact of climate change on Biodiversity
- Multi-disciplinary understanding of climate change processes
- Regional climate modeling
- Climate change -Risks & solutions

Environmental management strategies

- Decision making tools.
- Environmental Impact assessment methodologies.
- Water scarcity and climate change
- Low carbon emission aimed for green growth

REGISTRATION FEE:

Faculty/Research Scholar / Industry: Rs. 1500/- Student: Rs.500/-
 Registration fee (non-refundable) includes admission to the programme, refreshments, lunch and kit with Conference materials (CD). All payments are to be made through crossed Demand Draft / Cheque, drawn in favour of "THE REGISTRAR, PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY."

CALL FOR PAPERS

- The Organizing Committee of the International Conference is calling for abstract submissions.
- After submission of an abstract you will be acknowledged via an email within three working days.
- After acceptance of your abstract, you can submit full paper as per IEEE format and pay the registration fees for presentation in the conference
- Abstracts may be sent to: dirccc@pmu.edu

TRACK DETAILS

Adaptation to Climate Change

- Climate Change and Climatology
- Global Warming and Consequences
- CO₂ Capture and Sequestration
- Climate Change Law & Policy

Energy efficiency

- Green Energy Engineering
- Energy Disasters
- Best practices in Energy recovery
- Energy efficient process systems

Waste Management

- Solid waste management technologies
- Landfills and leachate studies
- Waste management approach in smart cities

IMPORTANT DATES

Last date of abstract submission	December 29, 2019
Intimation of acceptance	January 2, 2020
Submission of full-length paper and registration for Presenters	January 10, 2020
Last date for Registration for the Conference Attendees	January 18, 2020



Inaugural Address by **Dr. Lawrence Surendra**, Professor, Council Member, The Sustainability Platform (TSP), Asia



Felicitation Address by **Dr. Arasu Chellaiah**, Professor, University of Maryland, Baltimore, United States



Felicitation Address by **Er.G.Sundarrajan**, Environmentalist, Poovulagin Nanbargal, Chennai



Valedictory address by **Dr.S.Mohan**, Professor, Environmental and Water Resources Engineering Division, Indian Institute of Technology Madras