

Water Management: Adaptation to Climate Change and Sustainability

An
Indo-Canadian Symposium

22nd & 23rd February 2024

Funded
through

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Grant*



About the Symposium

The Department of Chemical Engineering of Indian Institute of Technology Tirupati, and the Faculty of Agriculture and Industrial Engineering of Dalhousie University jointly organizing the symposium on the theme "Water Management: Adaptation to climate change and Sustainability".

Water plays a crucial role in all three aspects of sustainable development: social, economic, and environmental, and in an era characterized by rapid urbanization, population growth, and climate change, sustainable management of water resources is of utmost importance. The influence of climate change on water supplies has been increasingly prominent in recent years and has far-reaching implications for ecosystems, agriculture, industries, and local communities. This symposium will delve into the nexus among water resources, climate change, and the need for sustainable practices and aims to bring together researchers from both industry and academia to discuss and reflect on the urgent challenges to global water supplies due to climate change. The program will highlight the significance of water energy food nexus and sustainable practices, particularly the strategies related to smart potable water management, industrial wastewater treatment, reservoir operation, energy generation and storage, and sustainable seafood culture and waste management.



Important Dates

Registration Opens

Jan 19, 2024

Abstract Submission Opens

Jan 19, 2024

Deadline for Abstract Submission

Feb 12, 2024

Notice of Acceptance of Abstract

FEB 15, 2024

Registration Closes

FEB 21, 2024



Invited Speakers

Prof. KSMS Raghavaro, Indian Institute of Technology Tirupati, India

Recent research developments in water processing with focus on energy

Prof. Carmelo Del Castillo, University of Philippines Visayas, Philippines

Improving culture outcomes of the UPV saline tilapia using biotechnological manipulations of nutritional components

Dr. Vijaysai Prasad, Head- Water Technology Center, L&T Water & Effluent Treatment Business, Larsen & Toubro Limited, India

Navigating water and wastewater regulations: insights into implementation status in India

Prof. Yogendra Shastri, Indian Institute of Technology Bombay, India

Impact of climate change driven water stress on thermal power generation in India

Prof. Sourav Chakraborty, Indian Institute of Technology Tirupati, India

Transition metal complexes for wastewater treatment and energy storage

Dr. Nguyen Thi Thuy Hang, BBML, Dalhousie University, Canada

Investigating the role of upstream reservoir control in water supply security against saltwater intrusion in the lower Dong Nai River system (South Vietnam)

Prof. Vo le Phu - HoChiMinh City University of Technology, Vietnam

Water management in the vietnamese mekong delta : the need for a changing paradigm in the era of climate change.

Prof. Abhilasha Maheshwari, Indian Institute of Technology Jodhpur

Smart water infrastructure: challenges and opportunities for innovations and technological interventions

Prof. Rex Ferdinand Traifalgar, University of Philippines Visayas, Philippines

Development and application of natural bioactive polysaccharides and prebiotics feed supplements for sustainable brackish water aquaculture

Prof. Anil Kumar Emadabathuni, Indian Institute of Technology Tirupati, India

Metal hydride based energy conversion and storage

Organizers

Prof. Shamik Misra
Prof. Tri Nguyen-Quang

Team Members

Prof. M.Nabil
Prof. Narendra Singh
Prof. Raghavaro KSMS
Prof. Roshan Karan Srivatsav

Technical Committee

Prof. Uday Kumar Sukumar
Prof. Brindha Moorthy
Prof. Nilesh Choudhary
Prof. Anil Vir
Prof. Trvikram Nallamilli



Call for Abstracts

Abstracts on the relevant topics of the symposium theme "Water Management: Adaptation to Climate Change and Sustainability" are invited. The abstract should not exceed 300 words. The name of the corresponding author should be highlighted with affiliation and email address. Research scholars are strongly encouraged to participate. The top three presentations by the students will be awarded.

Registration

There is no registration fee for attending and participating in the symposium. The symposium will be held in hybrid mode. External participants can register for online/offline mode. No TA/DA will be provided to attend the symposium in person. An e-certificate will be provided to all registered participants. To register or submit abstracts, use the following link:

<https://forms.gle/gEofv3FZoNP4FKjp7>

Contact Us

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