Water Management: Sustainability & Impact of Climate Change

An

Indo-Canadian Symposium

06th & 07th March 2023

Funded through

Shastri Conference & Lecture Series Grant

L'INSTITUT INDO-CANADIEN SHASTRI INDO-CANADIAN INSTITUTE

About the Symposium

The Department of Chemical Engineering of Indian Institute of Technology Tirupati, and The Department of Engineering-Agriculture and Department of Industrial Engineering of Dalhousie University jointly organizing the symposium on the theme "Water Management: Sustainability & Impact of Climate Change".

Water management is crucial as freshwater resource is fast receding all over the world. Further, the expansion of smart city projects aims at providing 24x7 potable water. The efficient water management system includes a purification system, optimization and distribution strategy (both short-term and long-term planning) of water resources. Therefore, this symposium aims at discussing the following contemporary issues: (a) use of nanomaterials-based water purification system, (b) challenges of urban water management system in Indian and Canadian scenario, (c) development of systematic scientific methods of water management from an environmental impact viewpoint, and (d) application of a water management system in food and agriculture sector and the impact of climate change on it.

In this symposium, we aim to bring expertise from distinct fields to educate/interact with the research community on modern techniques and future prospectives.

Important Dates

Registration Opens
FEB 15, 2023

Abstract Submission Opens
FEB 15, 2023

Deadline for Abstract Submission
FEB 26, 2023

Notice of Acceptance of Abstract
FEB 28, 2023

Registration Closes
March 03, 2023

Invited Speakers

Prof. Uday Venkatadri, Dalhousie University Canada
Implication of Fruit Cultivation on Water Resources: an Overview

Prof. C. P. Rao, Indian Institute of Technology Tirupati, India
Organic-Inorganic Hybrid Nano-Materials in Water Purification

Dr. Nguyen Thi Thuy Hang, HochiMinh University of Science Vietnam and Dalhousie University Canada
Optimization in Environmental System Management and a Case Study of Operation Rule Curve Optimization under Current and Future Climatic Conditions for Thac Mo Reservoir, Vietnam

Prof. Himanshu Mishra, King Abdullah University of Science and Technology, Saudi Arabia
Superhydrophobic Sand for Enhanced Food Production in Hot and Dry Regions

Prof. Prasanna V Sampath, Indian Institute of Technology Tirupati, India
Characterizing Future Groundwater Droughts Due to Agricultural Groundwater Consumption under Climate Change

Prof. Shamik Misra, Indian Institute of Technology Tirupati, India
Short-term Planning of Tanker Water Distribution Systems in Urban Areas

Dr. Muhammad Nadeem, University of Agriculture, Faisalabad, Pakistan
Comparative Analysis of Jet Velocity of Flat Fan Nozzle using Experimental (PIV) And Numerical Simulation Methods For Application in Irrigation System

Prof. Ulhas Kharul, CSIR-National Chemical Laboratory Pune, India
Membrane Preparation for Water Treatment

Mr. Tri-Dung Nguyen, Dalhousie University, Canada
Dragon Fruit Cultivation: Implication on Water Resources

Organizers

Symposium Directors
Prof. Narendra Singh
Prof. Tri Nguyen-Quang

Team Members
Prof. M.Nabil
Prof. Raghavarao KSMS
Prof. Roshan Karan Srivatsav
Prof. Uday Venkatadri

Technical Committee
Prof. Anki Reddy Katha
Prof. Trivikram Reddy
Prof. Nilesh Choudhary
Prof. Anil Vir

Call for Abstracts

Abstracts on the relevant topics of the symposium theme "Water Management: Sustainability & Impact of Climate Change" 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. Three cash prizes worth Rs. 2000 each for the best presentations by the students.

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. The participants attending in person at IIT Tirupati will not get TA/DA. An e-certificate will be provided to all registered participants. To register or submit abstracts, use the following link:

https://forms.gle/jJik8xkQL9dbCgP69

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