



Indian Institute of Technology Tirupati
&
Dalhousie University

jointly organize

An Indo-Canadian Symposium on Water: Purification, Optimization and Management

17th & 18th
March 2022

Funded

through

Shastri Conference & Lecture Series Grant

by



L'INSTITUT SHASTRI INDO-CANADIAN
INDO-CANADIEN INSTITUTE



Important Dates

FEB 21, 2022

Registration Opens

FEB 21, 2022

Abstract Submission Opens

MAR 3, 2022

Deadline for Abstract Submission

MAR 9, 2022

Notice of Acceptance of Abstracts

MAR 12, 2022

Registration Closes



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 organize the first symposium on the theme “Water: Purification, Optimization, and Management”.

Global demand for fresh and potable water has been on the rise and nearly doubled every 15-20 years. Millions of people all over the world have been facing a severe water shortage. Water treatment & purification systems, optimal distribution & management of water resources, and efficient design of water distribution networks are necessary to meet this demand.

The topics of the symposium focus on an integrated approach that synergizes reverse osmosis, membrane distillation, and advanced oxidation. Treatment of effluent that minimizes the water requirements for industrial use including the potential of advanced oxidation processes will be discussed. Finally, the need for optimal design, operation, and digitization of the water distribution network will be highlighted. This is critical to ensure a permanent supply of water, especially in smart cities. In this symposium, we aim at bringing expertise from this diverse spectrum to enlighten the research community on modern methods and recent trends.

Invited Speakers

Prof. Jesse Ronquillo

North Island College, Canada

Purifying Water in Commercial Tilapia Production using Advanced Recirculating Aquaculture System in Canada

Dr. Lakshmeesha Upadhyaya

King Abdullah University of Science and Technology Saudi Arabia

Nanostructured Magneto Responsive Membranes from Block Copolymers through Polymerization Induced Self-Assembly for Water Purification

Prof. B S Murty

Indian Institute of Technology Madras, India

Research Needs in Urban Water Supply

Prof. Narendra Singh

Indian Institute of Technology Tirupati, India

One-Dimensional Metal Oxide Nanostructures and Their Composites for Waste Water Treatment Applications

Prof. Renu V

Indian Institute of Technology (ISM) Dhanbad, India

Sustainable Groundwater Management - Role of Numerical Models

Prof. Shihabudheen M Maliyekkal

Indian Institute of Technology Tirupati, India

The Way Forward for Sustainable Water Treatment

Prof. Sridharakumar Narasimhan

Indian Institute of Technology Madras, India

Digital Water Network Management

Prof. Tri Nguyen-Quang

Dalhousie University, Canada

Ms. Heather Fraser

Moncton Municipality, New Brunswick, Canada

Toxic Algal Blooms in Water Resources: A Message of the Mother Nature to Human Activities

Prof. Young Ki Chang,

Dalhousie University, Canada

Remote Sensing and GIS Applications for Water

Organizers

Symposium Directors

Prof. M. Nabil
Prof. Tri Nguyen-Quang

Team Members

Prof. Raghavarao KSMS
Prof. Narendra Singh
Prof. Roshan Karan Srivatsav
Prof. Uday Venkatadri
Prof. Young Ki Chang

Technical Committee

Prof. Anki Reddy Katha
Prof. Anil Babasaheb Vir
Prof. Shamik Misra
Prof. Uday Kumar Sukumar

Call for Abstracts

Abstracts on the relevant topics of the symposium theme "Water: Purification, Optimization, and Management" 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. Due to prevailing covid restrictions, offline mode is permitted only for 35 students from IIT Tirupati. External participants should register for online mode only. An e-certificate will be provided to all participants. To register or submit abstracts, use the following link:

<https://forms.gle/rmBE67pzyCGge7X1A>

Contact Us

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"When water fails, functions of nature cease, you say;
Thus when rain fails, no men can walk in 'duty's
ordered way'"

-Thirukkural

