

Department of Mechanical Engineering Indian Institute of Technology Kanpur



#### Online symposium on

# SUSTAINABLE WATER TECHNOLOGIES: **PRINCIPLES AND APPLICATIONS**

#### **Topics:**

### Fundamentals of sustainable water harvesting

Heat transfer, thermodynamics and phase change processes

## Solar thermal desalination

Active and passive methods in solar stills, interfacial vapor generation, salt mitigation and decoupling strategies, multi-stage systems

#### Atmospheric water collection

Fog and dew collection strategies, filmwise and dropwise condensation, inertial fog collection, droplet dynamics

## **Environmental implications of sustainable water** harvesting

Eligibility: PhD students, post doctoral fellows, and faculty members in Science and Engineering disciplines, with an interest in the topic of clean water.

#### Speaker:



Dr. Manish Bhendura Debartha Chatterjee Post Doctoral Fellow IISC Bangalore, India



Sohom Goswami FARE Fellow PhD student IIT Kanpur IIT Kanpur, India



Tarun Kulsreshtha PhD student IIT Kanpur, India

#### **Coordinators:**



Dr. M.K. Das

Professor

IIT Kanpur, India

**Guest Speakers:** 

Dr. S. Sett

Assistant Professor

IIT Gandhinagar, India



Professor

Curtin University, Australia

Dr. J. Swaminathan

Assistant Professor

IISc Bangalore, India



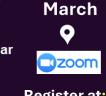
Dr. K. Muralidhar Professor IIT Kanpur, India



**OR scan:** 







10<sup>th</sup> - 11<sup>th</sup>