

#### ABOUT the CONFERENCE

The conference will focus on current trends and anticipated future concerning desalination, energy, environment, and material science for sustainable development. In this conference, many issues will be addressed such as wastewater treatment, water resource management, water purification, membrane and thermal desalination, waste management and disposal. Potential application of advanced materials synthesis and applications for solving problems of desalination, energy and environment will be discussed. There are meeting sessions with featured invited speakers from the experts in the field who will deliberate their talks in different technical sessions of the conference. Attendees will be able to exchange their ideas on the emerging fields and applications.

With an eye on the importance of this issue, Department of Chemical, Mechanical, Civil, Chemistry, Pharmacy of MMMUT Gorakhpur, KIPM and InDA is organizing this international conference to deliberate and share new ideas and emerging advancements, and to propose appropriate synergistic techniques towards fulfilling the need of sustainable development in terms of energy, environment, and material science.

#### THEMES OF CONFERENCE

- Recent Technologies for Water/Wastewater Treatment
- Water Resources Management & Sustainability
- Water Policies and Planning
- Membrane and Thermal Desalination
- Nuclear/Solar/Renewal Energy Desalination
- Zero liquid discharge (ZLD) Strategies and Reject/Waste Management
- Wastewater Treatment, Recovery and Reuse
- Economics and Financing Aspects in Water Management
- Assessing, Monitoring, Modeling and Forecasting in Water Management Sector
- Advanced Materials for Water Purification
- Application of Nanotechnology in Water Purification
- Water to Energy Production Technologies & Water-Energy Nexus
- Renewable and non-renewable energy resource
- Materials for energy storage
- Nano-materials in energy and environment
- Chemistry in the energy environment and material sciences
- Air and noise pollution.
- Advances in Sustainable Construction Materials
- Utilization of Waste Materials in Construction

#### ABOUT MMMUT, GORAKHPUR

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur was established in year 2013 by Govt. of Uttar Pradesh in the form of a non-affiliating technical university after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. Fifty-five batches of students have entered its portals to emerge after 4 years of rigorous education under the tutelage of some of the most venerable teachers, engineers ready to face the world and create new world. The university is located on the Gorakhpur-Deoria road about 9 km away from Gorakhpur Railway & Bus Station, and 5 km from Gorakhpur Airport. In addition to UG and PG programs in Electronics and Communication Engineering, Computer Science & Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering and Chemical Engineering, University also offers MCA, MBA, B. Pharm and Ph.D. courses in various specializations. It is a fully residential technological University, with five boys' hostels, three girls' hostels, and residences for faculty and staff. Every bhawan is consummated with a mess, common room, and sport facilities..

#### ABOUT KIPM

KIPM-College of Engineering & Technology have been established under the aegis of Ashutosh Shiksha Evam Sewa Sansthan in the benevolent guidance and leadership of Er. R. D. Singh (President of the Society), to provide quality education to Engineering students. The promoters are driven by an objective that the students need to be highly accomplished, enterprising, and committed citizens so that they deliver the best. To achieve such an objective, the institute follows well-designed and professionally formulated ways of doing things supported by proficient and experienced teachers, a set of adequate infrastructure, and good ambience. The institute is ISO 9001:2008 QMS certified for all its courses. Currently total six UG programs B.Tech in CSE, CSE (AI & ML), ME,CE, EE, & ECE and two Diploma programs (ME & CE) are running in the institute.

#### ABOUT INDIAN DESALINATION ASSOCIATION (InDA)

InDA was established in the year 1991 with the main goal for the development and promotion of the appropriate use of desalination and water treatment technologies. Being a neutral association without any commercial bias, InDA is active in spreading awareness and providing an interface for enhanced interaction amongst the stakeholders namely the user sectors, industries, academicians, policy makers and program implementation agencies. InDA is an affiliate of International Desalination Association (IDA) and Asia Pacific Desalination Association (APDA) for policy advocacy and adopting world best practices. Each year InDA conducts conferences/ workshops/seminars/webinars etc. to enhance the skills as well to interact with small & medium industries to enable them to mitigate the problems related to water & wastewater treatment, its management, and related environmental issues.

**International Conference**  
**on**  
**Frontiers in Desalination, Energy,**  
**Environment and Material Sciences for**  
**Sustainable Development**  
**(FDEEMSSD - 2023)**  
**&**  
**Annual Congress of InDA**  
**(InDACON - 2023)**  
**16-17 March 2023**

Organized by



**Madan Mohan Malaviya University of Technology**  
**Gorakhpur, Uttar Pradesh-273010, India**



**KIPM-College of Engineering & Technology**  
**Gida, Gorakhpur, Uttar Pradesh-273209, India**



**Indian Desalination Association (InDA)**

## PATRONS

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MMMUT Gorakhpur

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Prof. Dhananjay Singh, IET, Lucknow

Prof. Pradeep Kumar, IIT-BHU, Varanasi

Dr. Dharam Pal, NIT Raipur

### Accommodation:

Free accommodation for UG/PG/PhD student will be provided in hostel on shared basis. Such participant needs to register before 20 March 2023.

**High quality selected conference paper will be published in reputed SCOPUS index journal. Best oral/paper presentation for UG student will received attractive prizes.**

## ADDRESS for COMMUNICATION

**Dr. Ravi Shankar**

Organizing Secretary

Department of Chemical Engineering

Madan Mohan Malaviya University of Technology,

Gorakhpur – 273010, Uttar Pradesh

Email: [indacon2023@gmail.com](mailto:indacon2023@gmail.com)

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Website: <https://sites.google.com/view/feemssd2023/home>

## REGISTRATION FEE

	InDA Member (INR)	Non-InDA Member (INR)
Industry Personal	4000/-	5000/-
Academia	3000/-	4000/-
Delegate (Non-authors)	3000/-	
Student (PG/PhD)	1500/-	2500/-
Student (UG)	1000/-	1500/-
Foreign Delegate	\$ 100	

All the payments should be in favor of “MMMUT, R&D” payable through Bank Transfer: State Bank of India | Current Account 39228884801 | IFSC SBIN0002578 | MMMEC, Gorakhpur, UP, India

## IMPORTANT DATES

Call for paper in form of extended abstract: 15 Jan 2023

Last date for submission extended abstract: 01 Mar 2023

Intimation for acceptance of abstract: 05 Mar 2023

Registration for the conference: 15 Feb - 10 Mar 2023

Last date for registration: 10 Mar 2023 (need to be checked)

**Note: It is compulsory to register at least one author for finally accepted paper.**

## SUBMISSION OF PAPERS

Paper submitted shall be original in nature and relevant to the conference. An abstract (max. words 1000) to be submitted with a title, contributing authors, presenting author, and affiliation, email address of the corresponding author (10 points times new roman).

**Link for abstract submission:**

<https://forms.gle/pEDBjWcG4H5YqeFAA>

**Scan to Upload Abstract**

