### ABOUT CONFERENCE

The conference will focus on current trends and anticipated future concerning energy, environment, and material science for sustainable development. There are many issues will be addressed in conference such as water and 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 energy and environment discussed in conference. Conference will not only focus on the paper and poster presentation. There are meeting session with feature invited speakers from top experts in respective disciplines deliberate their talk during different technical session. Attendees will be able to exchange ideas on the underlying interactions and the usage of developing materials in research and applications in a wide range of fields energy and environment.

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 term of energy, environment, and material science.

#### THEMES OF CONFERENCE

- Recent Technologies for Water/Wastewater Treatment
- Water Resources Management & Sustainability
- Water Purification Technologies
- Water Policies and Planning
- Membrane and Thermal Desalination
- Nuclear/Solar/Renewal Energy Desalination
- Disposal and Reject /Waste Management
- Wastewater Treatment, Recovery and Reuse
- Hybrid Processes for Wastewater Treatment
- 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
- Renewable and non-renewable energy resource
- Materials for energy storage
- Nanomaterials 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, Gorakhpur has been 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, sport facilities like T.T, Volleyball etc. Tilak and Ambedkar are the newly constructed hostels with intake capacity of 120 and 240 respectively. One new Boys Hostel named Ramanujam is nearing completion with capacity of 240 while the additional capacity addition of Raman Bhawan and Subhash Bhawan is underway with capacity addition of 240 each in existing capacity.

## 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 our students need to be highly accomplished, enterprising, and committed citizens so that they deliver the best values. To achieve such an objective, we follow 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 Energy, Environment and Material Sciences for Sustainable

> **Development** (FEEMSSD - 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)** 

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Vice Chancellor, Madan Mohan Malaviya University of	Dr. Manoj Kumar Sahani, KIPM-CET, GIDA, Gorakhpur			·
Technology, Gorakhpur	5 7 7 1		InDA Member	Non-InDA
Prof. S. P. Chaurasia	ADVISORY COMMITTEE	Inductory Developed	(INR)	Member (INR)
President, Indian Desalination Association	Prof. Dhananjay Singh, IET Lucknow, India	Industry Personal Academia	4000/- 3000/-	5000/- 4000/-
Er. R.D. Singh		Delegate (Non-authors) 3000/-		
Chairman, KIPM College of Engineering and Technology,	Prof. Pradeep Kumar, IIT BHU, Varanasi India	Student (PG/PhD)	1500/-	2500/-
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CHAIRPERSONS	Dr. P. K. Tiwari, Past President, InDA			
Prof. Rajesh Kumar Yadav	Dr. Madhu Agarwal, VP, InDA	All the payments should		
Department of Chemistry & Environmental Science,	Dr. Soumitra Kar, Jt. Secretary, InDA	through Bank Transfer:		
MMMUT Gorakhpur	Dr. Jitendra K. Singh, Jt. Treasurer, InDA	39228884801   IFSC SB India.		EC, Gorakiipur, OP,
Prof. Vinay Srivastava	Dr. S Ramachandran, Chairman, InDA (SZ)	muia.		
Hon. Treasurer, InDA	Dr. P Muthamilselvi, Hon. Secretary, InDA (SZ)	IMPORTANT DATES		
	Dr, Sushant Upadhyaya, Chairman, InDA (NZ)	Call for paper in form of Extended Abstract: 25 Jan 2023		
ORGANIZING SECRETARIES	Dr. Abhishek Sharm, Hon. Secretary, InDA (NZ)	Last Date for Submission		
Dr. Ravi Shankar, Dept of Chemical Engineering,	Dr. B M Misra, EC Member, InDA	Intimation for acceptance of abstract: 05 Mar 2023		
MMMUT, Gorakhpur	Dr. R C Bindal, EC Member, InDA	Registration for Conference: 15 Feb -10 Mar 2023   Least last for Busistations 10 Mar 2023		
Dr. Prashant Saini, Dept of Mechanical Engineering,	Dr. A K Ghosh, EC Member, InDA	Last date for Registration	:	10 Mar 2023
MMMUT, Gorakhpur	Dr. R K Dohare, EC Member, InDA	Noto: It is compulsory t	a register at least or	a author for finally
Dr Vinay Bhushan Chauhan, Dept of Civil Engg,		Note: It is compulsory to register at least one author for finally accepted paper.		
MMMUT, Gorakhpur	Accommodation:	accepted paper.		
Dr. Jyoti, Pharmaceutical Sci & Technol Department,	Free accommodation for UG/PG/PhD student will be provided in	SUBMISSION OF PAP	ERS	
MMMUT, Gorakhpur	hostel on shared basis. Such participant needs to register before 20	Paper submitted shall be original in nature and relevant to the		
Dr. Prateek Khare, Dept of Chemical Engineering,	March 2023.	conference. An abstract (max. words 1000) to be submitted with a		
MMMUT, Gorakhpur	High quality selected conference paper will be published in	title, contributing authors, presenting author, and affiliation, email		
Willing 1, Oorakiipur	reputed SCOPUS index journal. Best oral/paper presentation	address of the corresponding author (10 points times new roman).		
LOCAL ORGANIZING COMMITTEE	for UG student will received attractive prizes.	Link for abstract submi	ssion:	
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Prof. Jeeoot Singh, MMMUT, Gorakhpur		Link for conference site	www.feemssd.co.in	<u>l</u>
Prof. Sanjay Mishra, MMMUT, Gorakhpur	ADDRESS FOR COMMUNICATION			
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