



2<sup>nd</sup> ANNOUNCEMENT  
**INTERNATIONAL CONFERENCE**

# **InDACON - 2025**

**“ Chemical Resilience & Sustainable Practices: Advanced materials in Water purification strategies for Desalination, Energy production & Environmental conservation”**

**&**

**Annual Congress of InDA**

**20<sup>th</sup> - 22<sup>nd</sup> February, 2025**

**Jointly Organized by:**

Department of Chemical Engineering  
Department of Biochemical Engineering  
School of Chemical Technology  
**Harcourt Butler Technical University, Kanpur**  
Uttar Pradesh-208002

**&**

**Indian Desalination Association (InDA)**





## **CHIEF PATRON**

Prof. Samsher,  
Hon'ble Vice Chancellor, HBTU Kanpur

## **PATRONS**

Prof. V. K. Srivastava, President, InDA  
Prof. D. Parmar, Pro-VC, HBTU Kanpur  
Prof. S. K. Sharma, Registrar, HBTU Kanpur

## **CHAIRPERSONS**

Prof. S. P. Chaurasia, Past President, InDA & Prof., MNIT Jaipur  
Prof. G.L.Devnani, Dean, SOCT, HBTU Kanpur  
Prof. Ashish Kapoor, HoD Chemical Engg., HBTU Kanpur  
Prof. Lalit Kumar Singh, HoD Biochemical Engg., HBTU Kanpur

## **ORGANISING SECRETARY**

Dr. S.V.A.R.Sastry, Associate Professor, HBTU Kanpur  
Prof. Madhu Agrawal, Secretary, InDA & Prof., MNIT Jaipur

## **CONVENERS**

Dr. Shravan Kumar, Assistant Professor, HBTU Kanpur  
Dr. Pranava Chaudhari, Assistant Professor, HBTU Kanpur  
Dr. Dipaloy Datta, Treasurer, InDA, MNIT Jaipur  
Dr. Rajeev Kumar Dohare, Joint Secretary, InDA, MNIT Jaipur

## **COORDINATORS**

Dr. Zeenat Arif, Assistant Professor, HBTU Kanpur  
Dr. Bineeta Singh, Assistant Professor, HBTU Kanpur  
Dr. Rajkamal Kushwaha, Assistant Professor, HBTU Kanpur

## **ADVISORY COMMITTEE**

Prof. K. K. Pant, VP, InDA & Director IIT Roorkee  
Mr. Hemish Kapadia, VP, InDA  
Dr. Manisha Sharma, Jt. Treasurer, InDA  
Mr. A. K. Adak EC Member, InDA  
Dr. T L Prasad EC Member, InDA  
Dr. Md. Oayes Midda, EC Member, InDA  
Dr. J. K. Singh, EC Member, InDA  
Dr. Sumit Kumar Sonkar, EC Member, InDA  
Mr. Saurabh, EC Member, InDA  
Mr. D. G. Mahajan, EC Member, InDA  
Mr. N P Sukumar, EC Member, InDA  
Dr. G.Arthanareeswaran, Chairman, InDA (SZ)  
Dr. P Muthamilselvi, Hon. Sec., InDA (SZ)  
Dr. Sushant Upadhyaya, Chairman, InDA (NZ)  
Dr. Vikas Kumar Sangal, Hon. Sec., InDA (NZ)  
Dr. Veera M Boddu, Environmental Protection Agency, US  
Prof. Ajay K. Dalai, University of Saskatchewan, Canada  
Prof. M.K. Jha, NIT Jalandhar  
Prof. Arun Maithani, HoD Paint Tech., HBTU Kanpur  
Prof. Indira Nigam, HoD Plastic Tech., HBTU Kanpur  
Prof. Alak Kumar Singh, HoD Food Tech., HBTU Kanpur  
Prof. Praveen Kumar Yadav, HoD Oil Tech., HBTU Kanpur  
Mr. Sumant Chatterjee, HoD Leather Tech., HBTU Kanpur

## **ORGANISING COMMITTEE**

Prof. S.K. Gupta, HBTU Kanpur  
Prof. Ashwini Sood, HBTU Kanpur  
Prof. Rajesh Katiyar, HBTU Kanpur  
Prof. A.K. Rathore, HBTU Kanpur  
Mr. Brajesh Singh, HBTU Kanpur  
Mr. Jitendra Kumar, HBTU Kanpur  
Dr. Adarsh. K. Arya, HBTU Kanpur  
Dr. Shina Gautam, HBTU Kanpur  
Dr. A.K. Rathoure, HBTU Kanpur  
Dr. Dan Bahadur Pal, HBTU Kanpur  
Dr. Anjali Awasthi, HBTU Kanpur  
Ms. Roma Agrahari, HBTU Kanpur







## TARGET PARTICIPANTS

Industry Leaders, R & D Head, Industry Experts, Procurement Managers, Process Engineers, Scientists, Faculty / Research scholars/ M.Tech/ M.Phil/ M.Sc./B.Tech/ Polytech. students of all Branches.

## ADDED ATTRACTIONS

Attractive Cash Prizes from a Prize pool of Rs. 30,000/-

- The prizes and certificates of participation will be given in the Valedictory session.
- Lunch and Refreshments will be provided to all the registered participants for all the three days.
- Cultural events are organized on the evening of 20th & 21st February, 2025.
- Indo-Canadian Joint Symposium.

## REGISTRATION

- Foreign Delegate (Online) : Rs. 5000/-
- Delegate from Industries/ Scientist : Rs. 4000/-
- Faculty from Academic Institutions (Non - InDA Member) : Rs. 4000/-
- Faculty from Academic Institutions (InDA Member) : Rs. 3000/-
- Post Graduate / Research Scholar (Non - InDA Member) : Rs. 2000/-
- Post Graduate / Research Scholar (InDA Member) : Rs. 1500/-
- UG/Diploma Student (Non - InDA Member) : Rs. 1500/-
- UG/Diploma Student (InDA Member) : Rs. 1000/-

**\* 5% Additional fees for SPOT registration**

## PAYMENT MODE: BANK TRANSFER

The account details for payment are :

- Bank: CENTRAL BANK OF INDIA;
- Branch: HBTI Kanpur
- A/c Name: InDA-HBTU
- A/C No.: 5307313942; IFSC: CBIN0283288

***A maximum 500 participants on a first-come-first-served basis shall be accommodated.***

Participants can register for the event through the following link:

<https://forms.gle/FcddJ9QAYW1atyss5>

Last date of Registration: 25th December, 2024  
All the registered participants will get the certificates.

## ADDRESS FOR CORRESPONDENCE

- Dr. S.V.A.R. Sastry, Associate Professor
- Dr. Shravan Kumar, Assistant Professor

School of Chemical Technology, HBTU, Kanpur, U.P.  
Pin-208002

Phone: 7093423964, 7577082588

E-mail: svarsastry@hbtu.ac.in, shravan.k@hbtu.ac.in



## **ABOUT THE UNIVERSITY**

Harcourt Butler Technical University, Kanpur (Formerly HBTI, Kanpur) was established in 1921 and has a glorious history and has always been at the forefront of technological developments and the growth of industries in the country since its inception. The Institute began as the Government Technological Institute, Uttar Pradesh in 1921. The Institute was renamed Harcourt Butler Technological Institute in 1926 in honor of the name of Sir Spencer Harcourt Butler, the then Governor of U.P. Degree courses in Oil Technology were started in 1921, and Chemical Engineering was started in 1954 and after that number of undergraduate and post graduate courses were started. On March 26, 1965, it was upgraded from a Government Department status to an Autonomous Institution. It was upgraded to Harcourt Butler Technical University, Kanpur on September 01, 2016, by Govt. of UP. The University spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3 kilometers apart. The University provides a congenial environment for the holistic growth and all-round development of the students.



## **ABOUT THE SCHOOL OF CHEMICAL TECHNOLOGY**

University offers distinctive study programs with its priority and thrust in imparting high-quality education in seven Chemical Technology branches, namely Oil Technology (Estd. 1921), Chemical Engineering (Estd. 1954), Plastic Technology (Estd. 1964), Paint Technology (Estd. 1964), Food Technology (Estd. 1964), Bio-chemical Engineering (Estd. 1964) and Leather Technology (Estd. 1978). The School of Chemical Technology (SoCT) produced more than 15,000 graduates in these programs which cater to the industry and top-level management human resource demands at the National and International level. Alumni from the School of Chemical Technology are placed as CEOs/MD's of many top Companies across the world.

## **ABOUT INDIAN DESALINATION ASSOCIATION (InDA)**

Established in 1991, the Indian Desalination Association (InDA) is dedicated to advancing the responsible utilization of desalination and water treatment technologies. Functioning as a neutral entity devoid of commercial bias, InDA plays a pivotal role in raising awareness and fostering enhanced collaboration among stakeholders. This includes user sectors, industries, academicians, policy makers, and program implementation agencies. As an affiliate of the International Desalination Association (IDA) and the Asia Pacific Desalination Association (APDA), InDA actively engages in policy advocacy and adopts global best practices. Through its annual conferences, workshops, seminars, and webinars, InDA not only cultivates skills but also facilitates interaction with small and medium industries, helping them address challenges in water and wastewater treatment, management, and associated environmental issues.



## ABOUT THE CONFERENCE

This International Conference jointly organized by the Department of Chemical Engg., Department of Bio Chemical Engg., Harcourt Butler Technical University (HBTU) and Indian Desalination Association (InDA) , will focus on current and future trends in desalination, water, energy, and the environment. The conference will address various issues, including wastewater treatment, water resource management, purification methods, membrane and thermal desalination, and waste management. Experts in the field will share insights during technical sessions, covering advanced materials synthesis and applications to solve challenges in desalination, energy, and the environment. Attendees will have the opportunity to exchange ideas on emerging fields and applications, contributing to the overall goal of sustainable development.

## THEMES OF CONFERENCE

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

### Submission of Abstract

The abstract can be submitted through the following link:

<https://forms.gle/y3VmebEBzkxZcWH66>

## Attractive Prize pool of Rs. 30,000/-

The prizes and certificates of participation will be given in the Valedictory session.

### Important Dates

|   |                   |
|---|-------------------|
| <b>Abstract Submission Start</b>              | <b>16/06/2024</b> |
| <b>Abstract Submission End</b>                | <b>30/10/2024</b> |
| <b>Announcement of Acceptance of Abstract</b> | <b>10/11/2024</b> |
| <b>Last date of Online Registration</b>       | <b>10/12/2024</b> |



# Publications

Selected Papers will be published as Book Chapters and in reputed International Journals of Springer/ Taylor & Francis. Conference Proceedings will also be published.

Full papers will be invited for possible publication after peer review in the Special issues of the following SCI/WoS-Indexed Journals:

1. Special Issue of "Biomass Conversion and Biorefinery" (I.F: 4.05)
2. Special Issue of "Processes" (I.F: 3.5)
3. Special Issue of "Journal of Engineering" (I.F: 2.7)
4. Special Issue of "Crystals" (I.F: 2.7)

**Sponsor's logo will be displayed in Souvenir, Banner and Conference kit.**

## SPONSORSHIP CATEGORIES

- **Technology Partner : Rs 11 lacs**
- **Powered by Partner : Rs 9 lacs**

### 1. Platinum Sponsorship @ **Rs 5 lacs**

- Logo on the Backdrop
- Logo on the Entrance Gate
- One Banner Standee at the Entrance
- 10 mins Speaker Slot
- 10 Delegate Passes
- 3x2 Display Space
- Stall for Exhibition

Plus **18% GST** Applicable on above.

### 2. Gold Sponsorship @ **Rs 3 lacs**

- Logo on the Backdrop
- Logo on the Entrance Gate
- 10 mins Speaker Slot
- 5 Delegate Passes
- Stall for Exhibition

Plus **18% GST** Applicable on above.

### 3. Silver Sponsorship @ **Rs 1 lac**

- Logo on the Backdrop
- Logo on the Entrance Gate
- 3 Delegate Passes
- Stall for Exhibition

Plus **18% GST** Applicable on above.

### 4. Bronze Sponsorship @ **Rs 50,000**

- Logo on the Backdrop
- Logo on the Entrance Gate
- 1 Delegate Pass

Plus **18% GST** Applicable on above.

### 5. Sponsorship @ **Rs 25,000**

- Logo on the Backdrop
- Logo on the Entrance Gate

Plus **18% GST** Applicable on above.

6. Exhibition zone will be provided for industries @ **Rs 25,000** (Per Exhibition stall with an area of **3m × 3m**)

Plus **18% GST** Applicable on above.

### Souvenir Advertisement rates:

- Front Cover Inside Page : Rs. 40,000
- Back Cover page : Rs. 35,000
- Back Inside page : Rs. 30,000
- Full page color : Rs. 15,000
- Half Page color : Rs. 10,000
- Quarter page color : Rs. 6,500
- Full page B/w : Rs. 10,000
- Half page B/w : Rs. 7,500
- Quarter page : Rs. 4,500

Plus **18% GST** Applicable on above.

**Donations are sought under Section 80 G of the Income Tax Act, 1961.**



# KEYNOTE / PLENARY / INVITED SPEAKERS

## Speakers From Canada

Prof. Ajay K. Dalai, University of Saskatchewan, Canada  
Prof. Venkatesh Meda, University of Saskatchewan, Canada  
Prof. Anil Mehrotra, University of Calgary, Canada  
Prof. Amar Mohanty, University of Guelph, Canada  
Prof. Manjusri Mishra, University of Guelph, Canada  
Prof. S.A.Mehta, University of Calgary, Canada  
Prof. Gopal Achari, University of Calgary, Canada  
Prof. Bishnu Acharya, University of Saskatchewan, Canada  
Prof. Quan Sophia, Dalhousie University, Canada  
Prof. Sonil Nanda, Dalhousie University, Canada  
Dr. Venu Babu Borugadda, Tidewater Renewables, Canada  
Dr. Shad W. Siddiqui, InnoTech, Canada

## Speakers from US

Prof. Debashish Kuila, Professor & Chair, North Carolina A&T State University, US  
Dr. Veera M Boddu, Environmental Protection Agency, US  
Prof. Ranil Wickramasinghe, University of Arkansas, US  
Prof. Srikanth Pilla, University of Delaware, US

## Speakers from IITs

Prof. K. K. Pant, Director, IIT Roorkee  
Prof. Shishir Sinha, IIT Roorkee & Director General, CIPET  
Prof. Prasenjit Mondal, Professor, IIT Roorkee  
Prof. Anil Verma, Professor, IIT Delhi  
Prof. Bishnupada Mandal, Professor, IIT Guwahati  
Prof. S Senthilmurugan, Professor, IIT Guwahati  
Prof. B.K.Dubey, Professor, IIT Kharagpur

## Speakers from NITs

Prof. M.K.Jha, Professor-HAG, NIT Jalandhar  
Prof. S.P.Chaurasia, Professor-HAG, NIT Jaipur  
Prof. Apurba Dey, Professor-HAG, NIT Durgapur  
Prof. R.K. Vyas, Professor, NIT Jaipur  
Prof. Madhu Agarwal, Professor, NIT Jaipur  
Dr. Amit Arora, NIT Hamirpur  
Dr. Raghuraj Pandiyan, NIT Warangal

## Speakers from CSIR/ICAR Labs

Dr. A.G.Rao, Chief Scientist, CSIR-IICT, Hyderabad  
Dr. S. Sridhar, Senior Principal Scientist, CSIR-IICT, Hyderabad  
Dr. Ravi Narayan Sahoo, Senior Principal Scientist, ICAR-IARI, New Delhi

## Speakers from Industries

Sri Biswanath Chattopadhyay, CEO, IVL Dhunseri Petrochemicals  
Dr. Ritesh Mittal, AGM- R&D, Engineers India Limited (EIL)  
Mr. Mahendra Pingle, General Manager, Tata BlueScope Steel



## OFFICE BEARERS

Isha Singh,  
Secretary

Dev Mohan Singh,  
Joint Secretary (Documentation)

Mudita Mishra,  
Joint Secretary (Content)

Vishwajeet Yadav,  
Joint Secretary (Event Management)

Yash Shakya,  
Treasurer

## EXECUTIVE COMMITTEE

Chayan Upadhyay

Ashu Kumari

Kriti Jha

Anshul Gupta

Registration form Link:



<https://forms.gle/FcddJ9QAYW1atyss5>

