



First Announcement

INDIAN INSTITUTE OF CHEMICAL ENGINEERS

Celebrating 75 Years of Glorious Journey



76th INDIAN CHEMICAL ENGINEERING CONGRESS

IChE-CHEMCON 2023

An International Conference

Theme

Energy Transition: Challenges and Opportunities

27-30 December, 2023

In Association With



भारत 2023 INDIA



RAJIV GANDHI INSTITUTE OF
PETROLEUM TECHNOLOGY, JAIS



JADAVPUR UNIVERSITY
KOLKATA



HERITAGE INSTITUTE
OF TECHNOLOGY, KOLKATA



UNIVERSITY OF CALCUTTA
ADVANCEMENT OF LEARNING

Indo-Canada
Joint Symposium

Technical Sessions

Pannel Discussions

Indo-Japan
Joint Symposium

Industry Summit

Journal/Book Chapter
Publication

Our Patron/Partner



Organized by

Indian Institute of Chemical Engineers

Dr. H L Roy Building, Jadavpur University Campus, Kolkata - 700032



chemcon2023@iiche.org.in



+91 9830752111



www.iiche.org.in/chemcon2023

Venue:- Heritage Institute of Technology, Kolkata

Indian Institute of Chemical Engineers

Indian Institute of Chemical Engineers (IICChE) is a national body of professional chemical engineers with 32000 members across the country with 46 Regional Centres as well as 182 Student Chapters, began its journey on May 18, 1947 under the great visionary, nationalist and pioneer of Chemical Engineering Education in India, Dr H L Roy. We have around 46 Life Organizational Members in industries and 48 Life Organizational Members in academics and R&D Institutes as well.

The Institute is celebrating 75 years of glorious journey along with the India's Azadi Ka Amrit Mahotsav - A unique coincidence. At its Platinum Jubilee year, the Institute has undertaken to expand its horizon even further by launching new initiatives, forging new collaborations and taking up new challenges. The beginning of IICChE's Platinum Jubilee celebration was marked by an international conference in Kolkata, titled, 'Advances in Chemical and Materials Sciences' (ACMS-2022), held during April 14 – 16, 2022. Further, a variety of events are being organised by the Headquarters as well as by the Regional Centres and Student Chapters of IICChE across the country throughout the year. The journey has been providing platform to bridge the gap between Industry, Academia, and R&D by organizing workshops, seminars, international symposiums, short duration technical lectures, industrial visits and most important to hone the skills of students through Online Student Internship Programs on various Chemical & Allied Engineering topics and Process Safety. Skill enhancement and excellence in Chemical Engineering is mission of IICChE and so it provides appropriate forum for joint endeavour, hand in hand to work for human beings through application of Chemical Engineering and Allied Sciences. In today's rapidly changing world, IICChE can enhance its core capabilities to accelerate learning and innovation for all of its members and supporters.

IICChE is registered with the Ministry of Corporate affairs for receiving CSR funds as well as donations under Section 80G of the Income Tax Act, 1961. IICChE is also recognized as Scientific and Industrial Research Organization by Department of Scientific & Industrial Research, Ministry of Science & Technology, Govt. of India.

CHEMCON 2023

CHEMCON 2023, the 76th Annual Session of the Indian Institute of Chemical Engineers will be organized by Indian Institute of Chemical Engineers Headquarters, Kolkata from December 27 to December 30, 2023 in association with Rajiv Gandhi Institute of Petroleum Technology, Jais, Jadavpur University and Heritage Institute of Technology.

The theme of CHEMCON-2023 is "Energy Transition: Challenges & Opportunities".

The World is in the midst of an energy transition to reduce its dependence on fossil-based energy sources. From 18th to 20th century, many complex transitions in energy have been observed that include the shift from firewood to coal, from whale oil to kerosene, and the shift to electricity and crude oil. Further, in 21st century, transition to low-carbon energy sources is expected to be the most challenging one ever, requiring decarbonization of various sectors and minimization of greenhouse gas emissions from a variety of industries of the global economy to mitigate climate change.

The chemical industries will be no different and are transforming as they regulate to the new era of high-priced petroleum and relentless global warming. Chemical Engineers transform societies and the lives of individuals by interdisciplinary collaborations necessary to advance the societal goals of transitioning to a low-carbon energy system ensuring and developing novel and sustainable materials used in fuels, electronics, medical devices, and other products to address today's most pressing problems, including climate change and global warming.

CHEMCON 2023 will present a host of events, which includes memorial lectures, plenary lectures, seminars, panel discussions, international symposium, industrial exhibitions etc. Moreover, its annual event which is known as Chemical Engineering Congress (CHEMCON) will also be held during the event. It is expected that the CHEMCON 2023 will have the benefit of active support and participation of many countries as the joint organizers of the congress.

It is a pleasure and privilege for Patron and Members of NOC and LOC to invite fellow delegates to participate in congress deliberations which will cover broad topics of interest for the participants.

Shri Dhirubhai Ambani Commemoration Day

Shri Dhirubhai Ambani Commemoration Day will be celebrated on December 28, 2023 as a tribute to the great legend. The event is sponsored by Reliance Industries Ltd. (RIL) as platinum sponsor since 2004

Technical Sessions

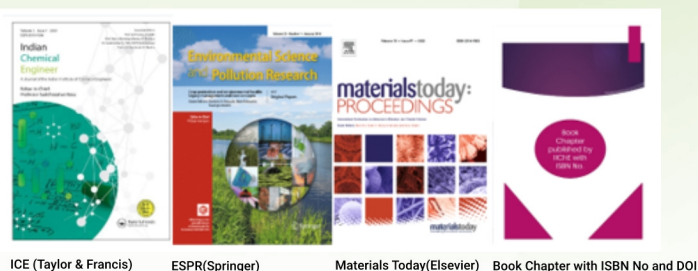
Topics of interest for the submission of abstract include, but are not limited to:

- | | |
|--|---|
| ✦ Energy Transition & Decarbonisation | ✦ Effluent Treatment Techniques |
| ✦ Energy Storage: Super capacitor, Li-ion battery, metal hydride | ✦ Hydrogen Energy and Fuel Cells |
| ✦ Sustainable Energy Generation & Environment | ✦ Novel Separation Processes |
| ✦ Advanced Functional Materials | ✦ Polymer Engineering and Technologies |
| ✦ Drug Development & Deliveries | ✦ Upstream and Downstream Petroleum Processes |
| ✦ Bio-Chemical Sciences & Engineering | ✦ Artificial intelligence and its application in Chemical Engineering |
| ✦ Process Optimization & Intensification | ✦ Digitization and automation in Chemical Process Industry |
| ✦ Computational Chemistry & Nanotechnology | ✦ Fluid Dynamics and Mechanics |
| ✦ Advanced Chemical Engineering | ✦ Nano-Technology |
| ✦ Catalysis and Reaction Engineering | ✦ Waste to Energy |
| ✦ Industry 4.0 | ✦ Zero discharge liquid |
| ✦ Renewable energy | ✦ Carbon capture, |
| | ✦ Electrochemistry |

Call for Papers

All the presented papers in the conference will be considered for publication in any one of the following journals/book chapter as special issues with subject to peer review process.

Conference Journals & Book



SPRINGER NATURE

Select papers from the conference will be published by Springer as a proceedings book volume. Springer will conduct quality checks on the accepted papers, and only papers that pass these checks will be published. Springer Nature does not charge any money for publication of Non-Open Access content. Abstracts/extended abstracts and short papers (less than 4 pages) are not considered for publication.

Registration fees

(Journal/Book chapter publication is free of cost)

Categories	IICHe Member (Amount in INR inclusive of 18% GST)	Non-IICHe Member (Amount in INR inclusive of 18% GST)
Academic Personnel		
Faculty/Scientists	4720	5900
Research Scholars	4130	4720
Industrial Personnel	6490	7670
Senior IICHe Member over 65 Years	2950	NA
Postgraduate Student	2950	3540
Undergraduate Students	2360	2950
Spouse Accompanying Indian Delegate (All Categories)	1770	2360
Other	2950	3540
Delegate (All Categories)	USD 200	
Foreign Delegates		
Spouse Accompanying	USD 200	
Foreign Delegate**		

Important Dates:

Abstract submission by (200 words) 30th April, 2023
 Acceptance notification 15th May, 2023
 Full paper submission for the publication 31st July, 2023
 Last date of registration 30th August, 2023

National Council

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 Mr. Biswanath Chattopadhyay, Co-opted Member, IICHe & CEO, IVL Dhunseri Petrochem Industries Ltd.
 Prof. K. K. Pant, Co-opted Member, IICHe & Director, IIT Roorkee
 Prof. Asim K. De, Co-opted Member, IICHe & Professor, CU

****no delegate kit will be provided to spouse**

(Registration fees includes registration kit, access to all the technical sessions & refreshment at the venue.)

Bank Account Details

Branch Name: Union Bank of India, Kolkata-Jadavpur
 Account Name: IICHE CHEMCON 2023
 A/c No.: 059522010000822
 IFSC Code: UBIN0905950
 SWIFT Code: UBININBB0CL (For International Transfer Only)
 GST No. 19AAAA1126Q1ZH
 CSR NO. CSR00033870
 80G Registration No. AAAA1126QF20221

National Organizing Committee

Chairman:
 Prof. A. S. K. Sinha, Director, Rajiv Gandhi Institute of Petroleum Technology
 Vice-Chairman:
 Prof. M. K. Jha, Professor HAG, National Institute of Technology Jalandhar
 Mr. Biswanath Chattopadhyay, CEO, IVL-Dhunseri Petrochem Industries Ltd.
 Prof. Anil Kumar Saroha, President, IICHe

Local Organizing Committee

Chairman:
 Shri Vikram Swarup, Vice-Chairman, Heritage Group of Institutions, & Chairman, Paharpur Cooling Towers Ltd.
 Vice-Chairman:
 Prof. B. B. Paira, Founder Director, Heritage Institute of Technology
 Mr. Prabir Roy, Director, Heritage Group of Institutions
 Mr. Pradip Agarwal, CEO, Heritage Group of Institutions
 Prof. Basab Chaudhuri, Principal, Heritage Institute of Technology
 Prof. C. Karthikeyan, Vice-President, IICHe
 Prof. K. S. Rajanandam, Vice-President, IICHe
 Dr. Avijit Ghosh, Organizing Secretary, IICHE-CHEMCON 2023
 Mr. Sunil Indulal Thakar, Treasurer, IICHE-CHEMCON 2023, EX-GM(GNFC)

Sponsorship Details

Category	Advt. Colour Page	Tariff in INR	Benefits
Platinum Partner	Full	Above 30.00 lakh	10 free delegates + Wide circulation in all communication+ Free Stall+ Free Life Membership (5 no)
Gold Partner	Full	Rs. 15.00 lakh	7 free delegates + Wide circulation in all communication+ Free Stall+ Free Life Membership (3 no)
Silver Partner/ Educational Partner	Full	Rs. 8.00 lakh	5 free delegates + Wide circulation in all communication+ Free Stall+ Free Life Membership (2 no)
Bronze Partner / Delegate Kit	Half	Rs. 5.00 lakh	3 free delegates + Wide circulation in all communication+ Free Stall
Copper Partner	Half	Rs. 4.00 lakh	2 free delegates + Wide circulation in all communication + Free Stall
Principal Partner (Lunch/Dinner each day)	Half	Rs. 3.00 lakh	2 free delegates + Wide circulation in all communication
Co-principal Partner (High Tea/ Breakfast, each day)	Nil	Rs. 2.00 lakh	2 free delegates + Wide circulation in all communication
Technical Partner (Plenary Lectures (Each)/Parallel Sessions (Each))	Nil	Rs. 1.00 lakh	1 free delegates + Wide circulation in all communication
Cultural Event Partner	Half	Rs. 2.00 lakh	2 free delegates + Wide circulation in all communication

Advertisement in Souvenir

A souvenir will be made available to all delegates free of charge. Contributions are solicited to support this publishing of souvenir through advertisements.

Position in the souvenir

Multicolour Back Page/Multicolour Front Inside Page
Multicolour Back Gate Fold/ Multicolour Inside Gate Fold
Multicolour Inside Full Page
B/W Full Page/Multicolour inside half page
B/W inside Half page

Price in INR/USD

Rs. 2,00,000.00/USD 2500.00
Rs. 1,00,000.00/USD 2000.00
Rs. 50,000.00/USD 750.00
Rs. 25,000.00/USD 400.00
Rs. 15,000.00/USD 300.00

Industrial Exhibition

An exhibition of Manufacturers and Service Providers in Chemical Industry and allied businesses including safety, power, chemical & petrochemicals, emerging technology providers, consultants, etc. is proposed during CHEMCON 2023. There will be stalls of equal sizes (3 mtr x 3 mtr).

The tariff of each stall for four days of Exhibition will be Rs. 50,000/- (Rupees fifty thousand) +18% GST. For booking of stalls please contact the following personnel:-

Dr. Avijit Ghosh
Organizing Secretary, IICHe-CHEMCON 2023
Mob: 9830752111

Address for Correspondence

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