

Seminar on

Recent Developments in Catalysis in Process Industry



March 21-22, 2023

Auditorium, IICChE-NRC
New Delhi

Organised by



Indian Institute of Chemical Engineers
(Northern Regional Centre)

In association with



INDIAN INSTITUTE OF CHEMICAL ENGINEERS

Indian Institute of Chemical Engineers is the apex professional society of Chemical Engineers in India, popularly abbreviated as IChE. The IChE is a confluence of streams of professionals from academia, research institutes and industry. It provides them the appropriate forum for joint endeavours, hand in hand, to work for human well-being through application of Chemical Engineering and Allied Sciences. IChE has more than 55 Regional Centres operating in the country. The Northern Regional Centre covers the territorial limits of towns around Delhi like Faridabad, Ghaziabad, Gurugram, Noida, Aligarh, Panipat and Sonapat. The centre is abbreviated as IChE-NRC.

FERTILISER ASSOCIATION OF INDIA (FAI)

Fertiliser Association of India (FAI) is association of all manufacturers, distributors, importers and marketers of fertilizers, technology and equipment suppliers and research institutes. It has both Indian and overseas members. Amongst its multifarious activities, FAI is engaged in performance monitoring of fertilizer plants in regard to energy efficiency, environment & safety performance, etc. FAI is also engaged in human resource development in fertilizer sector by way of organizing training programmes, seminars, workshops and group discussions.

ABOUT THE SEMINAR

Production and use of catalyst has helped the mankind for last 150 years. Catalyst is the single most important entity in making chemical reactions faster and changing conditions to make these reactions commercially useful. Catalysts have helped to increase conversions, purity of products and helping to carry our reactions under moderate operating conditions of temperature and pressure. Catalyst may or may not participate in the reactions. Use of catalyst in refineries and petrochemical and fertilizer industry has made it possible to produce large number of products which are required to meet the essential requirements of food, shelter and clothing, and improve the standards of living of mankind. Sulphuric acid is one of the largest and oldest chemicals produced in the world. It's large scale production would not have been possible without Vanadium Pentoxide catalyst used in contact process.

Production of hydrogen through catalytic reforming of hydrocarbons with nickel catalyst has helped to upgrade the heavy fractions of crude to produce more useful fuels and thus gainful utilization of bottom of the crude oil barrel. Role of catalyst in synthesis of ammonia at industrial scale through Haber-Bosch process has changed the face of agriculture in the world. This is one catalytic process which is helping to produce food for 40% of world population. Catalytic treatment of auto emission has helped us to breathe easier in highly polluted environment.

There are varieties of petrochemicals produced through catalytic process. Developments in catalyst science over the years have helped to improve yields, reduce energy consumption and reduce emission. These developments include incorporation of promoters, increase in surface area per unit volume, increase in mechanical strength, increase in catalyst life and better regeneration of catalyst where it takes part in reaction. With focus on climate change, catalyst can help to further decarbonize the chemical process and move towards green chemistry.

COVERAGE

The seminar provides opportunity to senior level professionals from Chemical Process Industry like Refineries, Petrochemicals, Petroleum, Fertilizers, Specialty Chemicals etc., R&D organisations, vendors, Government departments, academia and experts from the related fields to review the latest developments in Catalysts wherein leading Catalysts manufacturers, industry representatives and researchers have been invited to make presentation. Apart from this, presenters from industry would be sharing their experiences of operations with various catalytic processes.

IMPORTANT INFORMATION

TIME & VENUE

21st & 22nd March 2023

09:30 A.M. – 05:00 P.M.

**Auditorium, Indian Institute of Chemical Engineers-NRC,
C-27, Qutab Institutional Area,
New Delhi 110016**

REGISTRATION

(Tuesday) 21st March, 2023

(08:30 am – 09:30 am)

The registration can be done through Google Forms via link:

<https://forms.gle/gS1T9V31FPQ8Dp81A> or hard copy attached.

The payment to be done offline / online as per the details given in the Google Form/ Registration Form.

Registration will be on first come first serve basis due to limited capacity of hall.

(The Delegate fee includes Seminar papers, lunch, tea/coffee and refreshments during seminar sessions on both days. Please note that delegates have to make their own arrangements for travel and stay). Substitute delegates are permitted with prior intimation and approval by the Secretariat.

REGISTRATION FEE	
Industry Sector	Rs. 5000 + 18% GST
Academic/Research Institutes	Rs. 1000 + 18% GST
Students	Rs. 500 + 18% GST

SPONSORSHIP OPPORTUNITIES

CATEGORY	Amount (₹)	BENEFITS TO SPONSORS
PLATINUM SPONSORS	5 lakhs + GST	<ul style="list-style-type: none"> • <i>Display and acknowledgement at prominent places</i> • <i>Five Complimentary delegates</i>
GOLD SPONSORS	3 lakhs + GST	<ul style="list-style-type: none"> • <i>Display and acknowledgement at prominent places</i> • <i>Three Complimentary delegates</i>
SILVER SPONSORS	2.0 lakhs + GST	<ul style="list-style-type: none"> • <i>Display and acknowledgement at prominent places</i> • <i>Two Complimentary delegates</i>

OFFLINE PAYMENTS

All payments are to be made through crossed cheque / Demand Draft in favour of "Indian Institute of Chemical Engineers", payable at New Delhi.

ONLINE PAYMENTS

Bank details for online transfer of delegate fee -

Name of Beneficiary	INDIAN INSTITUTE OF CHEMICAL ENGINEERS
PAN No.	AAAAI1126Q
Bank Name	CANARA BANK
Branch Code	0346
Bank Account Number	0346101051089
MICR Number	110015013
IFSC Code	CNRB0000346
GST Number	07AAAAI1126Q1ZM

Address for submitting nominations and for all your queries:

Mr. R.P. Luthra
 Director Administration
 Indian Institute of Chemical Engineers
 (Northern Regional Centre)
 C-27, Qutab Institutional Area,
 New Delhi 110016
 Phone: 011-41422060, +91 9891177248
 Email: director.iichenrc@gmail.com