

1st Announcement

Indian Chemical Engineering Congress

&

74th Annual Session of Indian Institute of Chemical Engineers

CHEMCON-2021

December 27 - 30, 2021, Bhubaneswar, India

"Sustainable Utilisation of Resources for Chemical & Mineral Sectors"

Jointly Organized by



**Indian Institute of Chemical Engineers
Bhubaneswar Regional Centre**

&



**CSIR- Institute of Minerals and
Materials Technology, Bhubaneswar**

In Association with



**Institute of Chemical Technology
-IndianOil Odisha Campus Bhubaneswar**



CHEMCON-2021:

Indian Chemical Engineering Congress (CHEMCON-2021) and the 74th Annual Session of the Indian Institute of Chemical Engineers (IICChE) will be held at Bhubaneswar from 27th – 30th December 2021. The theme of the Conference **“Sustainable Utilisation of Resources for Chemical & Mineral Sectors”**, focuses on providing a forum for substantial discussion on the availability and utilization of mineral resources using the existing and emerging technologies. CHEMCON offers the most attractive platform, ensuring four days of intensive interface among the National and International experts in Chemical Engineering and allied fields. These interactions will help the delegates to constantly update and equip themselves so as to keep pace with the fast changing professional scenario. CHEMCON-2021 will feature host of events, which includes memorial lectures, plenary lectures, seminars, international symposium, panel discussions, exhibition, etc. It is a matter of great pleasure and privilege for us to invite you to participate in the deliberations of this unique program which will cover a wide range of topics of interest for the participants.

IICChE:

The Indian Institute of Chemical Engineers (IICChE), founded on 18th May 1947, is an apex professional body of Chemical Engineers in the country and presently has around 25,000 corporate members on its roll. The activities of the Institute are spread across India through its 41 Regional Centres and 160 Student Chapters, with its Head Quarter located at the Jadavpur University Campus, Kolkata. The IICChE has been conducting the Associate Membership Examination since 1960 and publishing an esteemed quarterly Journal “The Indian Chemical Engineer” since 1959.

IICChE, Bhubaneswar Regional Centre (IICChE-BRC):

The centre, which started functioning from 12th September 1991 with just 25 members, is now having 140 members in its fold along with two active student chapters (CVRCE, Bhubaneswar and IGIT, Sarang). All the major industries and organisations such as CSIR-IMMT, Odisha State Pollution Control Board, IPICOL, NALCO, IOCL, IFFCO, etc. are the major contributors of distinguished membership to this centre. The track record of this centre within this period is indeed quite impressive with major events like **CHEMCON-2003**, CHEMINAR-93, ENERGYSHOP-94, BAUXAL-95, TECHSHOP-96, IICChE GOLDEN JUBILEE-98, PCPIR-2014, Coal Gasification - 2014, Seminar on Non-Ferrous Mineral Industries-Growth and Challenges -2015, Odisha-Investors' Destination for Chemicals and Petrochemicals-2017. These events have been huge success not only in unfolding possibilities in Odisha but also disseminating the profession of Chemical Engineering in the Eastern India.

CSIR-IMMT, Bhubaneswar:

CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT) was established on 13th April 1964 as Regional Research Laboratory (RRL), Bhubaneswar in the eastern part of India under the aegis of the Council of Scientific and Industrial Research (CSIR), New Delhi. It was renamed in 2007 as IMMT, with a renewed research focus and growth strategy to be a leader in the areas related to R&D of mineral & material resource engineering. The CSIR-IMMT has been engaged in nation building ever since its inception with a mission to carry out industrial research, help industry to grow in terms of scale as well as new products, niche basic research, propagate research culture and societal work through Science & Technology intervention, skill development amongst youth and disseminate knowledge. The institute has expertise in conducting basic research as well as applied and technology oriented programs in a wide range of subjects to address the R&D issues of mining, mineral and metals industries for their sustainable development. For the last one decade, the main thrust of R&D at CSIR-IMMT has been to work for Indian industries by providing advanced, zero waste process know-how and consultancy services for commercial exploitation of mineral resources through the Public-Private-Partnership (PPP) approach. Today, CSIR-IMMT is the first choice for many mineral based industries in providing technology. CSIR-IMMT is consistently endeavouring with new goals and objectives, primarily related to sustainable way of mineral processing and extractive metallurgy, design and manufacturing of new functional materials and tackle environmental issues related to above fields.

ICT-IOC Bhubaneswar:

Institute of Chemical Technology (ICT), Mumbai started its Odisha Campus with total support of Indian Oil Corporation Ltd. (IOCL) on 18th March 2018 at Bhubaneswar. ICT-IOC Bhubaneswar currently runs three programmes: Integrated M.Tech, Executive M.Tech and PhD focused on Chemical Engineering and Technology along with opening of new centre of excellence in research and innovation. Integrated M.Tech after 12th Standard (HSSC) of five years duration is a unique program consisting of 15 trimesters with alternate trimester in industry. Executive M.Tech program is geared at giving an exposure to process engineering along with training in research, innovation, industrial practices, regulations, sustainability and management to experienced professionals who want to continue to work without losing continuity in the work while pursuing a degree. ICT-IOCB envisions that the next big revolution, incorporating Internet of Things (IOT) and Artificial Intelligence (AI) in Chemical Engineering practice will stem from the eastern region of India and march towards sustainable development.

About Bhubaneswar City and Nearby Destinations:

- Capital city of State of Odisha.
- Smart City: Ranked top in smart city ranking (Wi-Fi city) in India.
- Connectivity: Well connected by Railways and Airways.
- Sports Hotspot: Bhubaneswar was the host of Asian Athletics Championship 2017, Men's Hockey World Cup 2018.
- Climate: Pleasant climate during CHEMCON-2021 (Temp. between 18 to 24 °C).
- Corporate Head Quarters for Industries like NALCO, PPL, etc.
- Nearby Tourist Attractions: Bhubaneswar is a well-known for many popular tourist destinations starting from pilgrimage to historical places. To explore the full details, kindly visit the following link: <https://www.orissatourism.org>

CHEMCON 2021 Theme: "Sustainable Utilisation of Resources for Chemical & Mineral Sectors"

The mineral resources of Odisha form a very important constituent of India's mineral wealth. Occupying an important position on the country's mineral map, Odisha's rich mineral reserves constitute 28% Iron, 59% Bauxite, 98% Chromite, and 24% Coal of India's total deposits apart from other valuable minerals. Also, almost all the entire Nickel and Platinum Group of Elements (PGE) deposits of the country are available in the state of Odisha.

Odisha is pushing forward in Chemical Refining, Petrochemical, and Fertilizer Sectors. Paradeep port city of Odisha has the world's largest Phosphate Fertilizer Plant now owned by IFFCO and 15-MMTPA of Petroleum Refinery by the Indian Oil Corporation which is leading to a petrochemical complex there. Besides, a Beach Sand Mineral Separation plant operates at Chatrapur near the port city of Gopalpur while a Coal Gasification Plant is owned by Jindal Steel and Power at Anugul. Port Town of Dhamra is coming-up with an LNG terminal having the potential for Natural Gas Based Petrochemical Complex. The enormous potential is coming up in Odisha to be the Chemical Capital of Eastern India.

The International Symposium during CHEMCON-2021 will give a platform to discuss the latest developments on "**Sustainable Utilisation of Resources for Chemical & Mineral Sectors**" through invited lectures by eminent experts from India and abroad. The International Symposium will be held on 28th December 2021. The International collaborator for CHEMCON-2021 is the Canadian Society of Chemical Engineers (CSChE).

Technical and Lecture Sessions:

The conference covers major themes relevant to the Chemical Engineering and allied profession through plenary, invited lectures and poster sessions. All technical sessions will be chaired by persons of eminence from the relevant field. The detail format as well as instructions for abstract and full paper preparation can be obtained from the website (www.chemcon2021.com). Some of the proposed sessions include but not limited to the following areas:

Advanced Techniques in Chemical Engineering	Material Chemistry and Molecular Modelling
Biomass and Biotechnology	Mineral Processing
Carbon Capture, Sequestration and Utilization	Modelling and Simulation of Processes
Catalysis and Reaction Engineering	Nanotechnology
Chemicals and Fertilizers	Novel Separation Processes
Crystallization, Filtration & Drying	Novel Drugs
Colloidal and Interfacial Phenomena	Particle Technology including Milling and Micronization
Computational Fluid Dynamics	Polymer Engineering and Technologies
Data Mining, Fault Diagnosis and Process Design	Process Intensification
Electrochemical Processes	Process Safety and Responsible Care
E-Waste Processing and Recycling	Renewable Energy
Environmental Engineering	Safety, Health and Environment
Energy Storage - Fuel cell, Battery and Supercapacitor	Solid Waste Management
Food Engineering	Sustainable Chemistry and Engineering
Fuel and Combustion	Thermodynamics
Green Chemistry and Technologies	Tailings Monitoring and Management
Hydro & Electro Metallurgy	Transport Phenomena and Fluid Mechanics
Instrumentation and Process Control	Upstream and Downstream Petroleum Processes
Industrial Chemistry and Engineering	Ultrasonic Sonochemistry
Industry 4.0	Wastewater Treatment

Awards will be presented to Best Papers and Posters in each session.

Shri Dhirubhai Ambani Commemoration Day:

Shri Dhirubhai Ambani Commemoration day will be celebrated on 28th December 2021 as a tribute to the great visionary Shri Dhirubhai Ambani, Founder of Reliance Industries Ltd. (RIL), one of the largest private sector industry in India.

Exhibition:

An exhibition of Equipment Manufacturers and Service Providers in Mining, Minerals, Chemicals & allied businesses including safety, emerging technology providers, consultants, etc. is proposed during CHEMCON-2021. The details will be available in CHEMCON-2021 website shortly.

Sponsorships:

Sponsorships are invited for financial support to the mega event, CHEMCON-2021. Sponsorship rates are as follows:

Category	Price in INR
Platinum Sponsorship	₹ 50.0 Lakh
Gold Sponsorship	₹ 25.0 Lakh
Silver Sponsorship	₹ 15.0 Lakh
Bronze Sponsorship	₹ 10.0 Lakh
Lunch (Each Day) / Dinner Sponsor (Each Day)	₹ 10.0 Lakh
Delegate Kit Sponsor	₹ 10.0 Lakh
Session Sponsor	₹ 3.0 Lakh
Breakfast (Each Day) / High Tea (Each Day) Sponsor	₹ 3.0 Lakh
Cultural Programs (Each) Sponsor	₹ 3.0 Lakh
Banner of Each Session Sponsor	₹ 1.0 Lakh
Tea during Break (Each Day) / Plenary Lectures (Each) / Parallel Sessions (Each) / Poster Sessions (Each) Sponsor	₹ 1.0 Lakh

Entitlements for Sponsors:

Sponsoring an event under different categories are entitled to get the benefits as per the following:

Category	Free Delegates	Advt. Colour Page	Banner
Platinum Sponsorship	10	1	Company's Logo/Brand on Main Stage Banner + Banner at Seminar Site
Gold Sponsorship	7	1	Company's Logo/Brand on Main Stage Banner + Banner at Seminar Site
Silver Sponsorship	5	1	Company's Logo/Brand on Main Stage Banner + Banner at Seminar Site
Bronze Sponsorship	3	½	Company's Logo/Brand on Main Stage Banner + Banner at Seminar Site
Delegate Kit Sponsorship	3	½	Company's Logo/Brand on Main Stage Banner + Logo on Delegate Kit
Lunch (Each Day) / Dinner (Each Day)	3	½	Company's Logo/Brand on Main Stage Banner + Logo on Delegate Kit
Session Sponsor	2	Nil	Banner at Site
Breakfast (Each Day) / High Tea (Each Day)	2	Nil	Banner at Site
Cultural Programs (Each)	2	Nil	Banner at Site
Banner of Each Session	1	Nil	Banner at Site
Tea during Break (Each Day) / Plenary Lectures (Each) / Parallel Sessions (Each) / Poster Sessions (Each)	1	Nil	Banner at Site

Souvenir :

An informative souvenir will be made available to all the delegates. Contributions are solicited to support this mega event, CHEMCON-2021, through advertisements. The rates are as follows:

Location	Price in INR / USD
Multicolour Back Page/ Multicolour Front inside Gatefold	₹ 50,000/USD 750
Multicolour Back inside Gatefold	₹ 40,000/USD 575
Multicolour Full Page	₹ 30,000 / USD 425
B&W Full Page/ Multicolour Half Page	₹ 20,000 / USD 300
B&W Half Page	₹ 10,000 / USD 150



Accommodation:

Wide types of hotels, starting from star rated to budget hotels, are available in Bhubaneswar. For all the student delegates, hostel facility will be provided on request and advance payment basis. The tariff of hotels, guest houses and hostels will be available in the official CHEMCON-2021 website shortly.

Registration Fees for CHEMCON-2021:

Categories of Membership	Amount
IChE Member	₹ 3500*
Senior IChE Member over 65 Years	₹ 2500*
Non-IChE Member/Industrial Personnel	₹ 4500*
Postgraduate Student	
IChE Member	₹ 2000*
Non-IChE Member	₹ 3000*
Non-IChE Member including Life Member Fee	
Age: 26-50 Years	₹ 3500+7000**
Age: 51-65 Years	₹ 3500+6000**
Spouse ^{##} Accompanying Indian Delegate (All Categories)	₹ 2500*
Foreign Delegates	
Member of an Organisation having MoU with IChE	USD 250
Others	USD 300
Spouse ^{##} Accompanying Foreign Delegate	USD 200

Note:

* Extra 18% GST will be applicable on INR Registration Fee Only.

+ Includes fee towards membership of IChE subject to the production of the proof of eligibility.

No delegate kit will be provided to spouse.

Mode of Payment:

All the payments should be drawn as DD/ Multicity Cheque/ Online transfer in favour of CHEMCON-2021 payable at Bhubaneswar (Odisha), State Bank of India, IMMT Campus Branch: **IFSC Code-SBIN0007499, A/c No. 38932615324**. For Remittance from outside India: **BIC/Swift Code: SBININBB270**. In case of any difficulty, kindly contact Organising Secretary, CHEMCON-2021.

Patrons:

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 Prof. G.D. Yadav, Former VC, ICT, Mumbai
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 Former Director, IIT Bombay
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 Asst. Professor, IIT Bhubaneswar
 CTO, Odisha Skill Development, Govt. of Odisha

Important Dates :

Abstract Submission	1 st June 2021
Last Date of Abstract Submission	31 st August 2021
Intimation of Acceptance of Abstract	1 st July - 15 th September 2021
Full Paper Submission	1 st August - 31 st October 2021
Last Date of Full Paper Submission	31 st October 2021
Registration (Early bird) [@]	Upto 15 th September 2021
Registration (Normal)	16 th September - 30 th November 2021
Registration Closing	1 st December 2021
Registration (Spot) ^{**}	At CHEMCON-2021 Venue

[@] Early bird gets a discount of 5% on the registration fee.

^{**} Spot registration will be with 5% extra on the normal registration fee.

(Not applicable for new members registering for the first time with the Institute during the CHEMCON-2021)

For all the queries, kindly contact us through our official email: chemcon74@gmail.com

www.chemcon2021.com

Further correspondence can be made to the Organizing Secretary:

Dr. C. Eswaraiah

Organizing Secretary, CHEMCON-2021

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