
Call for Participation

23rd National Symposium on Catalysis (CATSYMP 23)

January 17-19, 2018

“Applied Catalysis in Emerging Technologies for Chemicals”

Organized By

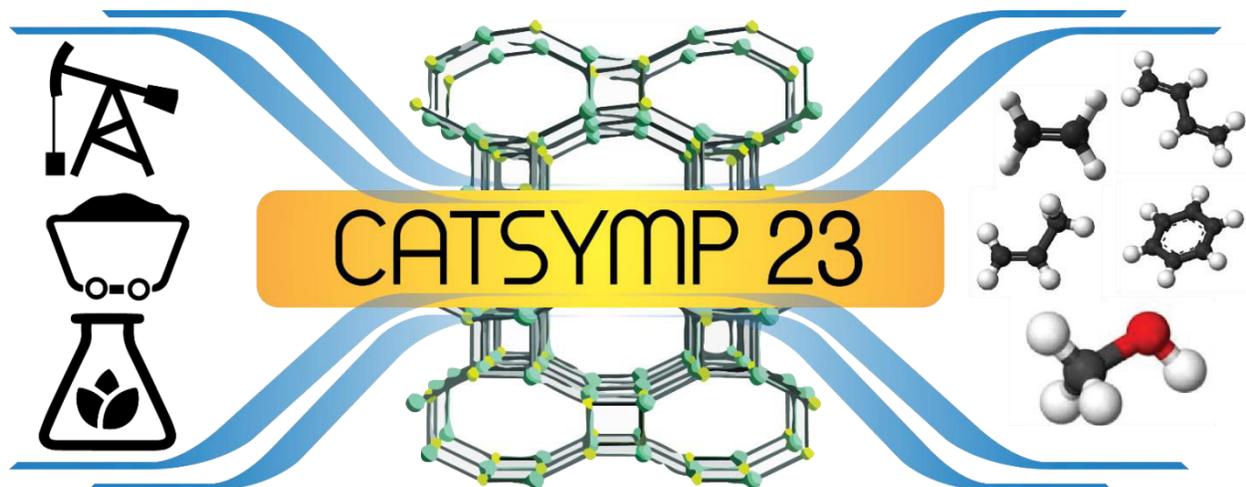
Catalysis Society of India-Bengaluru Chapter

Under the auspices of

CATALYSIS SOCIETY OF INDIA

at

Royal Orchid Convention Center, Bengaluru



Applied Catalysis in Emerging Technologies for Chemicals

Invitation

23nd National Symposium on Catalysis (CATSYMP 23) – “*Applied Catalysis in Emerging Technologies for Chemicals*”, under the auspices of Catalysis Society of India, will be held at Royal Orchid Convention Center, Yelahanka, Bengaluru, India, during **January 17-19, 2018**. The organizers of CATSYMP23 (Catalysis Society of India-Bangalore Chapter invite you to participate and contribute to the discussions and deliberations in the symposium.

Scope of the Symposium

Applied catalysis and technologies play a very important role in the well-being of humanity, be it for producing sustainable energy, driving towards a cleaner environment, manufacturing of low cost materials etc. Technologies developed through discoveries in catalysis make a huge impact on the world economy and on mankind. The basic inventions in the field of catalysis need to be bridged with process design and development, with a synergy between scientists, engineers, academia & industry.

In this backdrop, the symposium plans to bring together the researchers in academia and industry to cover the following broad spectrum of topics encompassing heterogeneous catalysis, homogeneous catalysis, photocatalysis, electrocatalysis, organocatalysis and biocatalysis.

Following areas will be covered in CATSYMP23:

- ❖ Catalysis for biomass conversion
- ❖ Environmental catalysis
- ❖ Catalysis for energy and fuels
- ❖ Catalysis for sustainability/Green chemistry
- ❖ Emerging trends in catalysis
- ❖ Industrial catalysis (Chemicals & Polymers)
- ❖ Catalysis for fine and specialty chemicals
- ❖ High throughput tools for catalysis
- ❖ Engineering aspect – process/reactor/reaction
- ❖ Role of catalysis in process development
- ❖ Novel catalytic materials/methods
- ❖ Challenges in feedstocks
- ❖ Electro/photocatalysis
- ❖ Modelling in catalysis

Scientific Programme

The symposium will include plenary / invited talks by eminent international speakers and highly acclaimed national speakers from industry, academia and research institutions. The symposium would like to give a great deal of importance to research students who will be given sufficient opportunity to present their research outcome through Oral/Poster presentations. It is proposed to have three parallel sessions on various topics mentioned.

This symposium aims for disseminating knowledge on the recent discoveries in the field of catalysis encompassing energy, environment and chemicals. There will be an exclusive timing earmarked for Poster session, in order to have thoughtful scientific interactions. The detailed schedule will be made

available soon on the new symposium website.

It is also planned to have a Panel Discussion to discuss new challenges and opportunities where catalysis can play a role, as well as to initiate collaborations among institutes/industries.

Technical presentations:

Plenary talks: 45 min each

Invited talks: 30 min each

Oral Presentations: 15 min each

Poster Presentations: A dedicated space and time slot will be provided

Sponsorship and Exhibition

We also earnestly request support from sponsors for making this event grand and memorable. We are accepting sponsorships under three categories namely:

Platinum Sponsor –Rs. 50 lakhs (would earn the privilege of displaying their company/product advertisement in full page, in colour, in the conference proceedings, can nominate 10 delegates of their own including the complimentary delegates of any category, an exhibition work space closest possible to the event venue; an invited presentation that discusses the company's interests related to the field of catalysis)

Gold Sponsor –Rs. 30 lakhs (would earn the privilege of displaying their company/product advertisement, in colour, in the conference proceedings, can nominate 6 delegates of their own including the complimentary delegates of any category, an exhibition work space, an invited presentation that discusses the company's interests related to the field of catalysis)

Silver Sponsor –Rs. 20 lakh (would earn the privilege of displaying their company/product advertisement in full page in B&W in the conference proceedings, can nominate 4 delegates of their own including the complimentary delegates of any category)

Bronze –Rs. 10 lakh (Two delegates, entrance ticket, logo on the website, exhibitors table).

Exhibition stall booking- Rs. 5 Lakhs (Two delegates, entrance ticket, exhibitors table).

Special Small Industries –Rs. 1 Lakh (Logo on the website, company brochure in the delegate bags)

The sponsorship money can be given through a cheque or a demand draft drawn in favour of The Catalysis Society of India and payable at Bengaluru or through RTGS for which the bank details can be obtained from the organizers.

Furthermore, an exhibition (on payment basis based on the square foot of space) showing the profile and products of various manufacturers / distributors is also planned during the symposium period. Those who are interested may send their space requirements to the Conference Secretariat.

Proceedings

The extended abstracts of the papers presented at the symposium will be compiled in the form of a book (and/or soft copy in a pen drive) and will be made available to all the delegates at the symposium. It is also planned to publish the plenary, invited, oral and poster presentations in an international scientific journal through a peer-reviewing process.

Registration

Those who want to submit abstract(s) or intend to participate in the symposium can fill the online registration form. New website will be launched soon and information will be provided through second circular. Till then, the abstracts can be sent to email; catsymp23@poornaprajna.org.

The registration fee can be paid as demand draft drawn in favour of “The Catalysis Society of India” and payable at Bengaluru or by cash at the conference secretariat (only for spot registrants). The conference secretariat will entertain spot registration for faculty and industry personnel only at 10% extra of regular registration fee.

Registration Fee

CSI Member	Rs. 2000
Non CSI Member	Rs. 3000
Accompanying Person	Rs. 1000
Student	Rs. 1500
Corporate/Industry Member	Rs. 7500
International Delegate	US\$ 300

Key Dates

Submission of abstracts	30 th August 2017
Intimation of acceptance of abstract	30 th September 2017
Request for Accommodation (Students / Scholars)	30 th November 2017
Last Date for Regular Registration	10 th December 2017
Spot Registration (at 10% extra only for Faculty and Industry personnel)	17-19, January 2018

Catalysis Society of India

The Catalysis Society of India (CSI) was formally founded in March 1973 at Varanasi with Prof. S.K. Bhattacharyya as the president and Prof. J.C. Kuriacose as the secretary. The main mandates of the CSI are to encourage catalysis research in India, to organize professional meetings between researchers, to enhance mutual interactions and to encourage cooperation between industry and academia. The growth of the membership of the CSI is a measure of the growth of catalysis research activity in the country. The present membership of the society is more than 750 compared to 75 in 1974. At the time of the founding of the CSI, the major centers of research in catalysis were just a handful, the IITs (Madras and Kharagpur), PDIL (Sindhri), IIP (Dehradun) and IPCL/RIL (Vadodara). Catalysis research activity has spread to many more organizations during the past 42 years. During the last three decades, the catalysis community in India has made significant strides both in applied and fundamental research. Many catalysts and processes has been developed and commercialized, notably by IIP, PDIL, IPCL/RIL, NCL, IICT and ACC in petroleum refining, petrochemicals manufacture, fertilizers production and fine chemicals syntheses. In basic research also, members of the CSI have made significant discoveries in

catalysis, resulting in publications in prestigious journals such as Nature, Science, Angew Chem and JACS.

CSI-Bengaluru chapter was established in 2017 by eminent catalysis scientists from various research organizations in Bengaluru like Poornaprajna Institute of Scientific Research, SABIC, SHELL, HPCL, JNCASR, St. Joseph College and Jain University. The Society is actively working on promoting research in the area of catalysis and bringing together researchers from academia and industry on one platform in Bengaluru by conducting conferences, meetings, workshops, invited talks etc.

About Bengaluru, Karnataka, India

Bengaluru (Bangalore) is the capital of the Indian state of Karnataka and has a population of about 8.5 million. It is located in southern India on the Deccan Plateau and its elevation is over 900 m (3,000 ft) above sea level.

The city was developed in the dominions of the Maharaja of Mysore and was made capital of the Princely State of Mysore, which existed as a nominally sovereign entity of the British Raj. In 1809, the British shifted their cantonment to Bengaluru, outside the old city, and a town grew up around it, which was governed as part of British India. Following India's independence in 1947, Bangalore became the capital of Mysore State, and remained capital when the new Indian state of Karnataka was formed in 1956. The two urban settlements of Bangalore – city and cantonment – which had developed as independent entities merged into a single urban center in 1949. The existing Kannada name “Bengaluru” was declared the official name of the city in 2006.

Bengaluru is a hub for many renowned chemical industry R & D centers like HPCL, SABIC, SHELL etc. Bengaluru is sometimes referred to as the "Silicon Valley of India" (or "IT capital of India") because of its role as the nation's leading information technology (IT) exporter. Indian technological organisations ISRO, Infosys, Wipro and HAL are headquartered in the city. A demographically diverse city, Bangalore is the second fastest-growing major metropolis in India. It is home to many educational and research institutions in India, such as Indian Institute of Science (IISc), Indian Institute of Management(IIMB), National Institute of Fashion Technology, National Institute of Design, (NID R&D Campus), National Law School of India University (NLSIU) and National Institute of Mental Health and Neurosciences (NIMHANS). Numerous state-owned aerospace and defence organizations, such as Bharat Electronics, Hindustan Aeronautics and National Aerospace Laboratories are located in the city.

There are several tourist attractions in and around Bengaluru. Among them, Lalbagh Botanical Garden, Cubbon Park, Bannerghatta National Park, Visvesvaraya Industrial & Technological Museum, Bengaluru Palace, ISKCON Temple, Vidhana Soudha & Attara Kacheri, Jawaharlal Nehru Planetarium, Tipu Sultan’s Summer Palace, Sankey Tank, Ulsoor Lake, National Gallery of Modern Art, Bull Temple, Devanahalli Fort, Nandi Hills are important to note.

Catalysis Society of India- Executive Committee

1. Prof. G.D. Yadav, President, ICT, Mumbai
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8. Prof. E. Murugan, Madras University, Chennai

9. Dr. K.M. Parida, SAO University, Bhubaneswar

Catalysis Society of India -Bengaluru Chapter

- ❖ **President :** Dr. Anand B. Halgeri, PPISR
- ❖ **Vice-President:** Dr. Kishan Gurram, SABIC
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- ❖ **Vice- Chairman:** Dr. Lakshmi Narasimhan, SHELL
- ❖ **Vice- Chairman:** Dr. N. V. Choudary, HPCL
- ❖ **Convener:** Dr. Rajeshwer Dongara, SABIC
- ❖ **Co-Convener:** Dr. Ganapati Shanbhag, PPISR
- ❖ **Co-Convener:** Dr. Madhusudhan Rao, SHELL

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3. Dr. Vinod Nair, SABIC
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5. Dr. Sebastian C. Peter, JNCASR
6. Prof. S. Natarajan, IISc
7. Dr. Eswarmoorthy, JNCASR
8. Dr. B. M.Nagaraja, Jain University
9. Dr. K. Ramesh, HPCL

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