

# International Conference on Global Trends in Traditional to Space Ceramics (GT-TSC'22)

*on the occasion of*



**86<sup>th</sup> Annual Session of The Indian Ceramic Society**

**74<sup>th</sup> Annual Session of All India Pottery Manufacturers' Association**

**48<sup>th</sup> Annual Session of Indian Institute of Ceramics**

*Jointly Organized by*



**The Indian Ceramic Society**



**Dept. of Ceramic Engg., IIT-BHU**

*Endorsed by:*



*The American Ceramic Society, India Chapter  
and*



*International Ceramic Federation, Italy*

**December 8-9, 2022**

**at**

**Department of Ceramic Engineering  
IIT-BHU, Varanasi, UP**

## About

Indian aerospace industry and Automobile sector is on the threshold of a whopping growth and for most of the advanced ceramics parts and products, we are dependent on imports. Ceramic tableware industry, particularly Bone China and Stoneware, Refractory industry, Traditional Terracotta industry and Wall & Floor Tiles industry, are showing growth trends. Raw materials feeding is a challenge. Mining sector is defining their environmental conditions and compliance causing sufferings to micro entrepreneurs. Energy and energy efficiency is a challenge. Productivity and quality consistency is a challenge. Industry is looking at research sectors to come out with products. Skills development in our many traditional ceramics field have become one of the source of employment generation. This conference will target experts, technologists, scientists, teachers from all the fields of:

•Advanced Ceramics, •Traditional Ceramics, •Bioceramics, •Bioglass, •Dental Ceramics, •Solar Field Ceramics, •Geopolymer, •Ceramic Composites, •Super Refractories, •Ferrites, •Batteries, •Electronic Ceramics, •Wear Resistance Ceramics, •Automobile Ceramics, •Alkaline Ceramics, •Ceramic Coatings & Applications, •Smart Ceramics, •Porous Ceramics, •Waste Minimization Techniques, •Waste Utilization Techniques, •Monolithic Refractories, •Materials, Methods & Machines, •Automation & Semiautomation, •Dieing of Art as well as •Historic Ceramic Clusters, and many more.

Students and researchers will be given importance through power point presentations and posters. Manufacturers will have the opportunity to showcase their products, new developments, techniques and machineries in unique exhibition. Artisans will have the opportunity to display their art on tables.

Indian Ceramic Society Parent Body is trying its best to make this session all round as most memorable one on it's Birth place - Banaras Hindu University, Varanasi. It will be real homage to the "Main Leader & Main Tool Mahamana Madan Mohan Malaviya (MMMMMM - 6M)" after 94 years of establishing our InCerS and 98 years of establishing Ceramic Institution in our Country.

Annual Session overall will try its best to come out well on need of MSMEs, Organized Industry, Industrial Research, Clusters, Environment & Health and then road map for future.

## Important Dates

Submission of Abstracts	:	<b>September 30, 2022</b>
Acceptance Notification	:	<b>October 15, 2022</b>
Registration without late fee	:	<b>November 30, 2022</b>
Spot Registration	:	<b>December 8, 2022</b>

## Necessary Links

Registration : <https://incers.org/annual-reg.php>

Abstract Submission : <https://incers.org/form/abstract-submission>

## Call for Papers

The **Technical Sessions of the Society will be devoted to oral / poster presentations** of papers and will broadly cover the fields as indicated. Those who propose to present papers are requested to send the title and abstract in about 200 words, typed in double space, via the online link: <https://incers.org/form/abstract-submission> within **September 30, 2022**. The abstracts will be subjected to primary screening by an Expert Committee. The decision regarding acceptance will be communicated to the respective authors in due course. The abstracts of the accepted papers will be printed in the souvenir.

The authors may kindly note that authors, who wish to publish full paper relevant to the submitted abstract, may submit full text of the paper via the online manuscript peer-review system, ScholarOne Manuscripts at <http://mc.manuscriptcentral.com/tcer>. The papers may be published in the Society's quarterly journal, "Transactions of the Indian Ceramic Society" in due course, if accepted through the peer review system.

Any paper submitted to the Society and accepted for presentation shall be the property of the Society who will hold the copyright thereof.

## Students' Session

The Society has introduced a Session, especially for the students, since 1999, with a view to encourage their participation in the Oral Presentation of papers during the Annual Session of the Society. A maximum number of six (6) students (**students of BTech and MTech only**), from among the Institutions of the country, would be selected on the merit of submitted full papers. (**The participating student must be a MEMBER of the Indian Ceramic Society**). The papers are to be uploaded by the respective Head of the Institution in the online link: <https://incers.org/form/abstract-submission> on or before **September 30, 2022**. An Expert Committee will scrutinize the papers and adjudge the merit. The decision of the Committee will be final and binding in the matter.

The selected students would be allowed to reimburse to-and-fro ordinary 2nd Class Sleeper Train Fare and their Registration Fee would be free. In case of joint authorship only one author would be considered.

Certificates will be given for best presentations (1st, 2nd & 3rd positions) along with cash awards.

## REGISTRATION

The registration fees for the delegates are as follows (including 18% GST):

Category of delegates		Registration Fees (Rs)	
		Up to 30.11.22	After 30.11.22
1.	Corporate Members Large Scale Unit (for 2 persons)	16,520	18,880
2.	Corporate Members Small Scale Unit (for 1 person)	8,260	9,440
3.	Corporate Members Micro Enterprises (for 1 person)	6,490	7,670
4.	Members and Life Members	5,310	6,490
5.	Members retired from service (provided he/she should be continuous member for minimum 25 years)	3,540	4,130
6.	Members 70 years old and above / continuous members for >45 years	Free	Free
7.	Accompanying Spouse (without registration kits)	2,950	2,950
8.	Full time PhD students including Project Assistant, excluding Post Doc Fellow	4,130	4,720
9.	Students (BTech / MTech)	1,416	1,534
10.	Non-Members	11,800	11,800
11.	SAARC Delegates	5,310	6,490
12.	Foreign Delegates	US\$ 360	US\$ 400

Registration fees are to be paid by CBS cheque/demand draft drawn in favour of '**The Indian Ceramic Society**', payable at Kolkata, and sent to: *The Honorary Secretary, Indian Ceramic Society, Care: CSIR-Central Glass & Ceramic Research Institute, Kolkata – 700032.*

Account details for bank transfer are as follows:

*(the respective delegate should provide his/her full details along with UTR no. / Bank reference no. to the Honorary Secretary via email at [incers1928@gmail.com](mailto:incers1928@gmail.com))*

Beneficiary: The Indian Ceramic Society; Bank Account no.: 08560100007854

Bank Name: Bank of Baroda; Branch: Jodhpur Park, Kolkata

Branch Code: JODCAL/0856; Bank Code: 012

IFSC & RTGS Code: BARBOJODCAL (Fifth Character is Zero)

**Here is the link for registration: <https://incers.org/annual-reg.php>**

## SPONSORSHIP

Category	Amount (Rs) (18% GST extra)	Benefits	Free Registration
Platinum sponsor	5,00,000/-	<ul style="list-style-type: none"> <li>• Logo and display in Brochure, Podium, Hall in all communications / Promotions</li> <li>• Dias sharing as Guest of Honour during inaugural session</li> <li>• Full page write up in the souvenir</li> <li>• Display in flex outside the venue</li> <li>• Corporate presentation for 15 minutes</li> </ul>	6 delegates
Gold sponsor	4,00,000/-	<ul style="list-style-type: none"> <li>• Logo and display in Brochure, Podium, Hall in all communications / Promotions</li> <li>• Dias sharing during inaugural session</li> <li>• Full page write up in the souvenir</li> <li>• Display in flex outside the venue</li> </ul>	5 delegates
Silver sponsor	2,50,000/-	<ul style="list-style-type: none"> <li>• Logo and display in Brochure, Podium, Hall in all communications / Promotions</li> <li>• Full page write up in the souvenir</li> <li>• Display in flex outside the venue</li> </ul>	4 delegates
Sponsor for delegate kit	2,00,000/-	<ul style="list-style-type: none"> <li>• Logo and display in Brochure, Podium, Hall in all communications / Promotions</li> <li>• Display in flex outside the venue</li> <li>• Printing of company name and logo in the kits</li> </ul>	3 delegates
Sponsor for one lunch	2,00,000/-	<ul style="list-style-type: none"> <li>• One page free colour advertisement in the souvenir</li> <li>• Display of banner in the lunch venue</li> </ul>	3 delegates

### SPONSOR FOR STUDENTS

Rs 20,000/- (+18% GST) per student; minimum 5 students to be sponsored.

## EXHIBITION

An exhibition of conventional as well as advanced ceramics, glass, refractories, composites, engineering ceramics and allied products, machinery, instruments, kilns, raw materials, etc will be arranged on the occasion. Limited number of covered **9 ft x 6 ft** size stalls will be available at the venue. The tariff for the same is **Rs 50,000/- (+18% GST)** with two delegates free registration (**20% discount for InCerS corporate members**).

For MSME: **3 ft x 2 ft** size table space will be available at a tariff of **Rs 10,000/- (+18% GST)**

## ADVERTISEMENT TARIFF

A souvenir will be brought out on this occasion, which will contain details of program, technical articles and advertisements. The advertisement tariffs are as follows:

Position	Rate (Rs) + 18% GST
Back cover	80,000/-
Inside front cover (2nd cover)	40,000/-
Inside back cover (3rd cover)	40,000/-
Facing 2nd cover / facing 3rd cover	25,000/-
Full page	20,000/-
Double spread	35,000/-
Half page	12,000/-
Quarter page	7,000/-

Fees for Sponsorship / Exhibition / Advertisement are to be paid by CBS cheque/demand draft drawn in favour of **The Indian Ceramic Society**, payable at Kolkata, and sent to: *The Honorary Secretary, Indian Ceramic Society, Care: CSIR-Central Glass & Ceramic Research Institute, Kolkata – 700032.*

Account details for bank transfer are as follows:

(After online payment kindly share the *UTR number / Bank reference number along with the date of payment via email at incers1928@gmail.com*)

Beneficiary: The Indian Ceramic Society; Bank Account no.: 0085002100011408

Bank Name: Punjab National Bank; Branch: Ballygunge Branch, Kolkata

Branch Code: 008500; Bank Code: 024; SWIFT Code: PUNBINBBISB

IFSC & RTGS Code: PUNB0008500

## Cruise Ride and Ganga Aarti Darsan

On this event an evening cruise ride has been programmed on December 08, 2022, which will allow enjoying some incredible sightseeing. Besides enjoying the views of the setting sun, one will be able to witness the Ganga Aarti. Seated in the luxury of cruise liner, one will be able to enjoy the synchronized chanting of mantras, lighted lamps and the floating of diyas. Please have a look on the important features of the cruise ride:

- Cruise tour of all the 84 Ghats (Ravidas Ghat to Raj Ghat and back)
- Ganga Aarti Darshan at Dashashwamedh Ghat
- Duration – 1 hr 30 min
- Pickup/Drop point: Ravidas Ghat
- Ticket price: Rs 500/- per person
- **Registered delegates of the conference (GT-TSC'22) will get a chance to have this awesome experience at a discounted rate of Rs 250/- per person**

## Indian Ceramic Society (InCerS)

Indian Ceramic Society (InCerS) was founded on April 15, 1928 under the dynamic guidance of Pt. Madan Mohan Malaviya, a great educationist, with the primary objective of promoting friendship and co-operation among all those who are engaged in the manufacturing of ceramic products or in teaching of ceramics or in any other way connected with ceramics and interested in the advancement of knowledge, art and technology connected therewith. The Society has 12 local chapters, one international chapter and 4 student chapters with a membership of over 2000. The quarterly publication of the Society, 'Transactions of the Indian Ceramic Society' has an impact factor of 2.355 in 2021 and is copublished with Taylor & Francis Group (T&F), UK. InCerS is in collaborative partnerships with American Ceramic Society as also with European Ceramic Society for mutual benefit and enhancement of InCerS and the said foreign ceramic societies

## All India Pottery Manufacturers' Association (AIPMA)

AIPMA was founded in the year 1948 by a group of entrepreneurs, led by Mr M. G. Bhagat, a pioneer industrialist. It is the forum for promoting and exchanging knowledge in ceramic industry in India and to encourage its members to be partner in the development of pottery industry. The main objectives of AIPMA are to encourage the ceramic industry and to protect its interest. The members of AIPMA are basically from industry.

## Indian Institute of Ceramics (IIC)

Founded in the year 1973, the major objectives of the Institute are to promote and advance the study and practice of Ceramic Science, Technology and Engineering in India, to extend knowledge and information connected with ceramics, to issue certificates by conducting examination as per prescribed syllabus etc. The degree in the Associated Membership Examination conducted by Indian Institute of Ceramics is equivalent to the BTech degree in Ceramics.

## Department of Ceramic Engineering, IIT-BHU

The founder of Banaras Hindu University, Pandit Madan Mohan Malaviya instituted a course in Ceramic Technology in the year 1924 with the noble objective of advancing glass and ceramic technology in India. In the year 1956, Department of Glass Technology and Department of Ceramic Technology were merged to form the Department of Silicate Technology, offering a four year degree course. In the year 1968 the Department was renamed as Department of Ceramic Engineering. Presently this department offers BTech, MTech and PhD programs in the areas of Ceramic Engineering and Technology. The Department is pursuing active research in the emerging areas of glass, glass ceramics, refractories, electronic ceramic, cement and pottery & porcelain. The Department celebrated its Platinum Jubilee during 1999 for 75 years of ceramic education.

## Conference Organizing Committee

Chief Patron:	Prof. Pramod Kumar Jain (Director, IIT-BHU)
Chairman:	Dr L. K. Sharma (President, InCerS)
Co-Chairpersons:	Dr Suman Kumari Mishra (Director, CSIR-CGCRI) Dr K. Muraleedharan (Immediate past President, InCerS) Mr Sudipta Saha (Vice President, InCerS)
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## Varanasi – The Hosting City

Varanasi, widely known as Banaras and also as Kashi, is a cultural centre of northern India. Located in the middle-Ganges valley in the south-eastern part of the state of Uttar Pradesh, Varanasi lies on the left bank of the river Ganges. Varanasi is one of the world's oldest continually inhabited cities. Author Mark Twain wrote in 1897 of Varanasi, "Benares is older than history, older than tradition, older even than legend, and looks twice as old as all of them put together". Starting from the evidence of Goutam Buddha's first sermon (in 528 BCE), the city was associated with Tulsidas, Kabir, Ravidas and other prominent personalities of the Medieval Ages as also numerous philosophers, poets, writers, and musicians of Modern Era, like the Hindi-Urdu writer Premchand and the shehnai player Bismillah Khan. The city has long been an educational and musical centre. India's oldest sanskrit college, 'Benares Sanskrit College' (now Sampurnanand Sanskrit University), was founded here in 1791. India's first residential university, 'Banaras Hindu University', was established in 1916 by Mahamana Madan Mohan Malaviya. Other renowned educational institutions of Varanasi are Central Hindu College (founded in 1898) and Kashi Vidyapith (established in 1921). It was the place where the Benares gharana form of Hindustani classical music was developed.

The city is known worldwide for its many ghats, steps leading down the steep river bank to the water, e.g. 'Dashashwamedh Ghat', 'Panchganga Ghat', 'Manikarnika Ghat', 'Harishchandra Ghat', etc. The notable temples in Varanasi are Kashi Vishwanath Temple of Shiva, the Sankat Mochan Hanuman Temple, and the Durga Temple. There are so many tourist places like King fort in Ramnagar, Saranath, Ghats on the bank of Ganges, Temples, University campus, milk based sweets and many more uniqueness.

## Climate

During December, the city is attractive for its charming weather. The average maximum and minimum temperatures are 25°C and 10°C, respectively.

## Key Contacts

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### **Mr Dhiman Banerjee**

Secretary, Organizing Committee  
Email: incers1928@gmail.com

## Bank details for Registration Fees

Beneficiary: **The Indian Ceramic Society**

Bank Account no.: **08560100007854**

Bank Name: Bank of Baroda

Branch: Jodhpur Park, Kolkata

Branch Code: JODCAL/0856

Bank Code: 012

IFSC & RTGS Code: BARBOJODCAL (Fifth Character is Zero)

## Bank details for Sponsorship/Exhibition/Advertisement

Beneficiary: **The Indian Ceramic Society**

Bank Account no.: **0085002100011408**

Bank Name: Punjab National Bank

Branch: Ballygunge Branch, Kolkata

Branch Code: 008500

Bank Code: 024

SWIFT Code: PUNBINBBISB

IFSC & RTGS Code: PUNB0008500



## **THE INDIAN CERAMIC SOCIETY**

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