

PROGRAMME

The programme of the Conference includes invited papers, oral and poster presentations and lectures by eminent scientists in five parallel sessions viz. Inorganic, Organic, Physical, Analytical and Environmental and Pharmaceutical & Biochemistry Sections. Some Memorial Lectures have also been arranged during the Conference. ICD facility will be provided by the organizers for paper presentations in all the sections.

PROVISIONAL PROGRAMME

Monday, 15th December, 2014

08:30 to 10:00 am Registration and kit distribution
10:00 to 01:00 pm Inauguration, keynote address
01:00 to 02:00 pm Lunch
02:00 to 02:30 pm Sectional Presidents address in respective sections
02:30 to 05:30 pm Invited lectures and paper presentations
05:00 to 07:00 pm Poster presentations
07:00 pm Cultural programme
08:30 pm onwards Dinner

Tuesday, 16th December, 2014

09:00 to 01:00 pm Invited lectures and paper presentations
01:00 to 02:00 pm Lunch
02:00 to 06:00 pm Invited lectures and paper presentations
06:00 to 07:00 pm Poster presentations
07:00 to 08:00 pm ICC General Body Meeting (To be attended by fellows only)
08:00 pm onwards Dinner

Wednesday, 17th December, 2014

09:00 to 01:00 pm Invited lectures and paper presentations
01:00 to 02:00 pm Lunch
02:30 to 04:00 pm Valedictory Function

The detailed programme of each day and each section shall be circulated in the Conference.

ABOUT DHANBAD CITY

Dhanbad, the Coal Capital of India, is a city in the state of Jharkhand. It is the second most populous city in the state after Jamshedpur. Dhanbad is famous for its coal mining and has some of the largest mines in India. Tata Steel, BCL, ECL and IISCO (Indian Iron and Steel Company) are some of the companies having coal mines in the district. The Indian School of Mines, Central Mining and Fuel Research Institute (CMFRI, CSIR), Directorate General of Mines Safety (DGMS), BIT Sindri are located in Dhanbad. Dhanbad city is about 260 km from Kolkata on the Grand Chord railway line and well connected by rail and road to all parts of the country. The nearest airports are Kolkata and Ranchi. During the month of December, the climate of Dhanbad remains very pleasant with maximum temperature ~ 23°C and minimum ~ 10°C.

IMPORTANT PLACES TO VISIT NEARBY DHANBAD

- Panchet Dam** : Panchet dam is built across the Damodar River in Dhanbad District's Panchet area in Jharkhand.
- Maithon Dam** : Maithon Dam is located 48 km from Dhanbad. The name Maithon stands for "Mother's Home" and is 165 ft high and 15,712 ft long.
- Topchanchi** : Topchanchi lake is located just 37 km from Dhanbad and 109 km from Ranchi.
- Panra** : The village of Panra is located at Nira-cum-Chirkunda block. This village, as per the local legend, is considered to have been named after the Pandavas.
- Shakti Mandir** : The Shakti Mandir is located in the centre of the Dhanbad city, on the Joraphatak Road.
- Charak Pathar** : Charak Pathar is a popular picnic spot.
- Parasnath Temple** : Parsnath Temple is located around 63 km to the north of Dhanbad and is well connected with bus routes.
- Chati Gobindur** : This village has two old pillars, which are associated with Sher Shah, the Afghan Chief and Emperor Ashoka by the locals.
- Bhatinda Water Falls** : The waterfall of Moondih or more popularly known as Bhatinda Waterfalls.
- Birsa Mundra Park** : This Park has been dedicated to the memory of the great revolutionary freedom fighter Birsa Munda.

ABOUT INDIAN SCHOOL OF MINES

The Indian School of Mines (ISM), Dhanbad, is one of the oldest premier institute of technical education in the country. It was established in 1926 with two disciplines, Mining Engineering and Applied Geology, for catering to the manpower needs of coal and mineral industries. ISM is a Deemed to be University under Section 3 of UGC Act 1956 and is directly under the financial and administrative control of the Ministry of Human Resource Development, Government of India. The academic profile of the Institute has changed over time to keep abreast with the technological challenges and societal aspirations of the country. ISM has been in service of the nation contributing immensely in nation building for the last 87 years.

The student strength is about 5900 in the academic year 2013-2014. ISM is actively involved in research & development, continuing education programmes, industrial consultancy and testing services. Situated in the heart of the country's prime coking coal belt, 260 kms from Kolkata with a campus spread over an area of 393 acres, (with 218 acres of existing campus and 175 acres under acquisition and development) the fully residential ISM has all the facilities of world class academic institute.

The Institute has produced more than 13,000 engineers and scientists shaping Indian Mining, Mineral, Oil & Natural gas, IT and other industries and making a significant contribution to the growth and development of the country. The alumni have distinguished themselves as CEOs of Public and Private sector industries, Directors/Vice-Chancellors of leading academic institutions, CSIR Laboratories, Government of India Administrators and have won laurels for the institute by winning National and International awards including prestigious Padmabhushan and Padmashri sammans.

ABOUT THE DEPARTMENT OF APPLIED CHEMISTRY

The Department of Applied Chemistry was established as a separate department in 1989. The Chemistry section existed prior to that as a part of the Department of Chemistry, Fuel & Metallurgy since the inception of the institute in 1926. The Department is maintaining a high quality of teaching and research in the field of Chemistry. The department offers various academic programmes such as 2 years M.Sc. in Chemistry, M. Phil in Applied Chemistry and Ph. D. and also offers a number of courses in various B. Tech. and M. Tech. programmes of other departments.

The department is actively involved in research activities in multidisciplinary areas such as Synthetic Organic/Organometallic Chemistry, Fly Ash Utilization, Corrosion Science, Nanomaterials & Catalysis, Supramolecular Chemistry, Polymers and Biomaterials in addition to the traditional areas i.e. inorganic, organic and physical chemistry. The department is well equipped with state-of-art instruments such as SEM with EDS, GC, GC with fixed bed reactor, FTIR, DSC, UV-Vis spectrophotometers with facility for solid and liquid sample analysis, Surface area and porosity analyzer, Electrochemical workstations, Binary GPC - HPLC system, photochemical reactor, fluorescence spectrophotometer, and drug dissolution apparatus etc. The department is in the process of purchasing a 400 MHz Multinuclear NMR spectrometer.

Presently, the department has 15 faculty members and about 80 Ph. D. students. Number of masters students is more than 100. The Department has a track record of producing more than 150 Ph.D.s. The department is presently running several projects funded by DST, UGC, BRNS, CSIR as well as international funding agencies. The Department has been awarded FIET by DST, New Delhi twice. The faculty members are also involved in collaborative research work with scientists from Japan, Germany, South Korea, Netherland, and Sweden.

We earnestly hope that you would participate in the conference and get yourself registered in advance.

Dr. Greesh Saxena

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GENERAL INFORMATION

Local Organising Secretary

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MEMBERSHIP OF ICC

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ABSTRACTS

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JOURNAL OF INDIAN COUNCIL OF CHEMISTS

The Council is publishing biannual *Journal of Indian Council of Chemists* which incorporates review articles, short communications and research papers. The journal is supplied without any charges to all the fellows. The Institutional membership is Rs. One Thousand annually. All correspondence and the subscription may be sent to:

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Last Date for the Submission of

- a) Abstracts 31st October, 2014
b) Registration 30th November, 2014

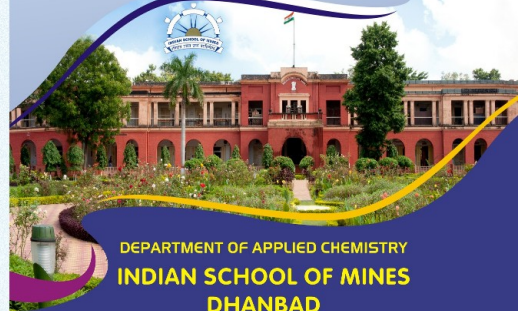
Kindly bring this circular to the notice of active research workers in your Department/Institution

E-mail : iccdhanbad@gmail.com

Website : www.chemicc.com



XXXIII ANNUAL CONFERENCE INDIAN COUNCIL OF CHEMISTS 15th - 17th DECEMBER, 2014



DEPARTMENT OF APPLIED CHEMISTRY
INDIAN SCHOOL OF MINES
DHANBAD

FIRST CIRCULAR

Website: www.chemicc.com
Email : iccdhanbad@gmail.com

Dear Colleagues,

We are happy to inform you that the 33rd Conference of the **Indian Council of Chemists** will be held from 15th - 17th December, 2014 at Department of Applied Chemistry, Indian School of Mines, Dhanbad, (Jharkhand).

On behalf of the **Indian Council of Chemists**, we have great pleasure in inviting you to attend all the functions and participations in the deliberations to be conducted under scientific sessions of Inorganic, Organic, Physical, Analytical & Environmental and Pharmaceutical Chemistry & Biochemistry Sections.

The Conference would provide an excellent opportunity to research workers for presenting new experimental results, participating in wide ranging discussions and critical debate in different areas of Chemistry and shall provide an opportunity for a meaningful interactions among the members of the scientific fraternity.

INDIAN COUNCIL OF CHEMISTS

The **Indian Council of Chemists** was founded at Agra on 19th Sept., 1981. The thirty two annual conferences held at Agra, Srinagar, Dharwad, Gorakhpur, Dhanbad, Madurai, Gwalior, Tirupati, Gulbarga, Goa, Muzaffarpur, Warangal, Jammu, Mumbai, Aurangabad, Mangalore, Chennai, Jalgaon, Shimoga, Mysore, Jabalpur, Roorkee, Mumbai, Ranchi, Kalyan (Mumbai), Sagar, Haridwar, Patan, Chandigarh, Hyderabad, Rajkot, Dharwad and Three International Conferences at Bangkok, Kuala Lumpur and Dubai were highly successful and well attended.

OBJECTIVES

The main objectives of the Council are:

- To advance and promote the cause of chemical research and education in the Country.
- To publish such proceedings, Journals, Transactions and other materials as may be considered desirable.
- To organize symposia, discussions, special lectures, exhibitions and such other activities necessary for a better understanding of chemical research and its applications for the economic, social and industrial programmes.
- To strive for strengthening national co-operation and contacts amongst the scientists of the Country.
- To work in association with National and International Societies of Chemistry and to co-operate with other organizations having similar objectives.

SUBMISSION OF ABSTRACTS

Active participation in scientific sessions covering the topics of the Conference is welcome. Scientists/Researchers are requested to submit only soft copy of abstract (not more than 200 words with no diagram) of the papers intended for presentation to the **CONCERNED SECTIONAL PRESIDENT** latest by 31st October, 2014 on their e-mail addresses. The abstract should be submitted online as an email attachment. It should be typed in MS-word using Times New Roman with font size 12. Authors should clearly mention on the top of the abstract, the section in which the paper is to be presented. They should mention their telephone no., fax no. and e-mail address along with their postal address. No hard copy is required.

Note: All authors contributing a paper in the Conference must be Fellows of the Council. (Annual fellowship fee for the 2014, Rs. 600/- or life fellowship fee Rs. 6000/-) must be paid along with the submission of the abstract.

REGISTRATION

All participants are required to register in advance by sending a registration fee of Rs. 1800/- (One thousand eight hundred only) by 30th Nov, 2014.

The registration fee should be paid by a crossed demand draft made in favour of the **'Indian Council of Chemists'** payable at Agra. Registration fee for accompanying person (spouse & children) is Rs. 900/- (Nine hundred only) without kit. The registration form & demand draft should be sent to: **Dr. M.K. Rawat**, Treasurer, ICC, Principal, Agra College, Agra-282002.

On the spot registration fee will be Rs. 2500/- (Two thousand five hundred only).

SECTIONAL PRESIDENTS

1. ANALYTICAL AND ENVIRONMENTAL CHEMISTRY SECTION

Prof. Sanjoy Misra
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3. ORGANIC CHEMISTRY SECTION

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4. PHARMACEUTICAL & BIO-CHEMISTRY SECTION

Prof. (Mrs.) Nilima S. Rajurkar
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5. PHYSICAL CHEMISTRY SECTION

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ICC AWARDS

- Life Time Achievement Award**, carrying a citation and Gold Medal to be given annually to a senior eminent scientist preferably above the age of 60 years, who has made distinguished contribution to any field of Chemical Sciences.
- Prof. Wahid Uddin Malik Memorial Award**, carrying a citation and cash award of Rs. 15,000, given annually to an eminent Chemical Scientist on the basis of his / her significant contribution in any field of Chemistry. The award has been instituted by **Mr. Mujeeb Malik**, son of **Prof. W.U. Malik**.
- Dr. Arvind Kumar Memorial Award**, carrying a citation and cash award of Rs. 10,000/-, given annually to an Indian Scientist, up to the age of 45 years, actively engaged in any area of Chemical Sciences at national level. The award has been instituted by **Ms. Bharati Arvind**, wife of **Dr. Arvind Kumar**.
- Prof. Kaza Somasekhara Rao Award**, instituted in the memory of his wife **Smt. Kaza Indiradevi**, carrying a citation and a cash award of Rs. 10,000/- only for best Women Scientist in Chemistry.
- Prof. G. Gopala Rao Centenary Commemorative Award**, carrying a citation and a cash award of Rs. 1000/- given annually to one young researcher whose paper, presented in the Analytical Chemistry / Physical Chemistry section by rotation.
- Prof. S. C. Ameta Award**, carrying a citation and a cash award of Rs. 1000/- given annually to one young researcher whose paper, presented in the Physical Chemistry section.
- Prof. C.P. Bhasin Award**, instituted in the memory of his mother **Late Smt. Sudesh Bhasin**, carrying a citation and a cash award of Rs. 1000/- only for best oral presentation in Inorganic Chemistry section.
- Dr. R.K. Agarwal Award**, instituted in the memory of his father **Late Sri Madhusudanji** carrying a citation and a cash award of Rs. 1000/- only for best poster presentation in Inorganic Chemistry section.
- Dr. V. K. Sharma Award**, carrying a citation and a cash award of Rs. 1000/- only for best oral presentation in Pharmaceutical Chemistry section. The award has been instituted by **Dr. Bharat Parashar**, Udaipur.
- Prof. G. L. Talesara Award**, instituted in the memory of his father **Late Sri Nandlal Talesara**, carrying a citation and a cash award of Rs. 1000/- only for best oral presentation in Organic Chemistry section.
- Dr. G. D. Nigam Award**, instituted in the memory of his parents **Late Jaishree Gopalji**, carrying a citation and a cash award of Rs. 1000/- only for best poster presentation in Anal. & Environment Chemistry section.
- Prof. G. K. Chaturvedi Award**, carrying a citation and a cash award of Rs. 1000/- only for best oral presentation in the field of coordination chemistry in Inorganic Chemistry section. The award has been instituted by **Prof. G. K. Chaturvedi**, Agra himself.
- Prof. A. P. Mishra Award**, instituted in the memory of his father **Late Sri Ram Pyare Mishra**, carrying a citation and a cash award of Rs. 1000/- only for best oral presentation in Inorganic Chemistry Section preferably in the area of Bioinorganic / Medicinal Inorganic Chemistry.
- Prof. S. T. Nandibewoor Award**, instituted in the memory of his parents **Smt. & Shri T. Nandibewoor & Smt. & Shri V. Javali**, carrying a citation and a cash award of Rs. 1000/- only for best oral presentation in Chemical Kinetics / Physical Chemistry Section.
- Prof. Sudhir K. Banerjee Memorial Award**, carrying a citation and a cash award of Rs. 2500/- only for Senior Scientist, who has made significant contribution in the field of Organic Chemistry. The award has been instituted by his wife **Mrs. Aparna Banerjee**, Udaipur.
- Prof. D. Ashok and Dr. M. Sarasija Award**, instituted in the memory of their parents **Sri. D. Gangaram and Smt. D. Shankaramma**, carrying a citation and cash award of Rs. 1000/- given annually to one young women researcher, up to the age of 35 years, whose oral paper is presented and defended in the Organic Chemistry Section.

- Woman Scientist Award**, carrying a cash award of Rs 1500, a citation for best oral presentation in Anal and Environmental chemistry by **Dr. Kalpana** in the memory of her mother-in-law **Late Smt. Shanti Sinha**.
- Young Scientist Award**, The Council gives an award and a certificate to young scientists upto the age of 35 years for the best paper presented in oral and poster sessions separately in all the five sections. Some of the awards have been instituted for Best Oral presentations in (i) Inorganic Award chemistry section by Prof. M.M. Taquekhan, Hyderabad. (ii) Prof. V. Anantaram, Vishkapatnam in Physical Chemistry section. (iii) Prof. K. Soma Sekhara Rao, Nagaland in Anal. and Environment Chemistry section.
- Maximum Participation Award**, The Council gives a 'Maximum Participation Award' to the College/ Institution from where maximum number of delegates participate in the Conference with the exception of the Colleges/ Institutions of the city where the Conference is being organized. Prof S. P. Hiremath, Gulbarga has instituted this award.

Selection Procedure for Awards 2, 3 and 4 above

- Head of the respective Department / Institute / ICC Life Member could nominate a person for the award.
- Each such nomination should be accompanied with;
 - CV of the person so nominated for the award to be received by the Secretary, ICC latest by 31st October of the year of the award.
 - Reprints of 5 best publications preferably during the past 5 years
- Last Date of such nomination / application would be 31st Oct. 2014.
- Selected candidate shall give a presentation of 30 minutes duration in the ICC conference at which the award will be conferred.
- The selection for these awards will be made by a panel of eminent chemists in a fair and transparent manner.

YOUNG SCIENTIST AWARD

The Council gives an award and a certificate to young scientists upto the age of 35 years for the best paper presented in oral and poster sessions separately in all the sections. Those interested in participating in the contest must write in bold letters "CYSA" on the right corner at the top of the abstract and enclose the proof of the age i.e. photocopy of High School Certificate. The awards will be given in the valedictory function of the Conference.

MEMORIAL LECTURES

- Prof. T.N. Srivastava Memorial Lecture** : Prof. T.N. Srivastava (Lucknow) an eminent inorganic chemist was the sectional president of Inorganic Chemistry Section in the first Conference of the Council held at Agra when Council was founded in 1981. Throughout his life he worked actively for the growth and development of the Council. This lecture will be delivered in Inorganic Section.
- Prof. P.R. Singh Memorial Lecture** : Prof. P.R. Singh (IIT-K) an eminent organic chemist, Ex-vice Chancellor was also the Sectional President of Organic Chemistry Section in the first conference of the Council. He also worked very actively for the growth of the Council. This lecture will be delivered in Organic Section.
- Dr. Arvind Kumar Memorial Lecture** : Dr. Arvind Kumar was the founder Treasurer of the ICC and later on assumed the responsibility of its Secretary and the Executive Editor of the Journal of ICC. He was closely associated with the core group that conceived dream into a reality in the form of an organization we all know as ICC. This lecture will be delivered in Physical Chemistry Section.