



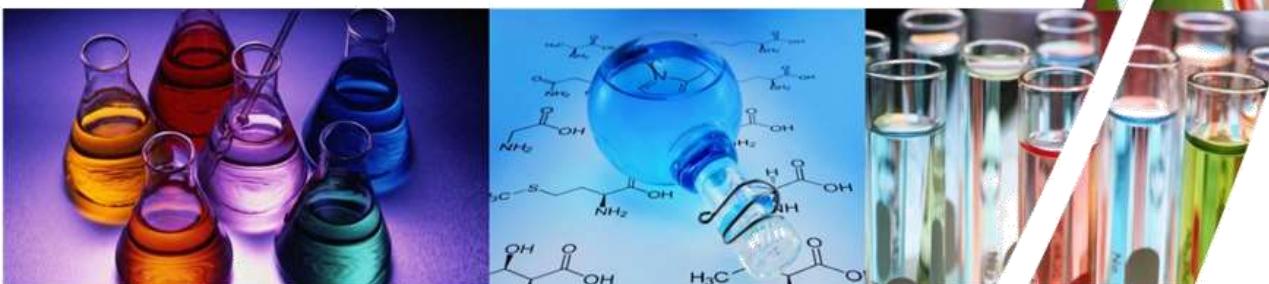
# Announcement

## Chemical Constellation Cheminar – 2019 (C<sup>3</sup>-2019)

(An International Conference)

Theme:

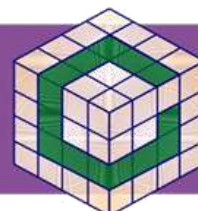
**Science & Technology for  
Sustainable Development and  
Innovations**



October 12-13, 2019

Organized by:

Department of Chemistry  
(DST-FIST Sponsored Department)  
Dr. B. R. Ambedkar National Institute of Technology  
Jalandhar – 144 011 (Punjab) India



## About the Conference

Chemistry is a discipline with reference to chemical transformations and debate about the atoms and the molecules. History of Chemistry dates back to the time of Ancient Greeks and Egyptians. Modern Chemistry began to emerge in the seventeenth and eighteenth century with the efforts of scholars such as Boyle and Lavoisier leading to rapid advances in the two centuries. Chemistry has central role in the Science and synthesis has central role to play. Chemical Synthesis has reached to an extraordinary level of sophistication but there is vast room for improvement. There are several areas of chemical research which need attention of the modern day chemists and some of the areas are:

- Energy swiftly raises to the top of the world agenda, one of the grand challenges of 21<sup>st</sup> century chemistry is to convert abundant energy-poor molecules to energy-rich molecules using sunlight as the energy source
- Biosciences and Nanosciences are other focus areas of chemical research which need enhancing sensitivity, precision, accuracy, simplicity and reduction in cost. It is becoming imperative to characterize the contents of individual cells or Nanostructures.
- Diminishing fossil fuel reserves, hazardous chemicals and wasteful processes have led to the emergence of green technologies. How metal complexes, materials and organic matters can be prepared by clean and sustainable routes is another challenge to the chemists.
- If Synthesis and Chemical Structures can be more easily predicted, what will it mean for inorganic chemistry?
- The foundations of science are built on the ability to make sensitivity precise measurements. How analytical instruments and methods are being developed to meet tomorrow's needs are the focus of attention.

### *Patron-in-Chief*

Chairman, Board of Governors, Dr B R Ambedkar National Institute of Technology Jalandhar

### *Patron*

**Professor (Dr) Lalit Kumar Awasthi**

Director, Dr B R Ambedkar National Institute of Technology Jalandhar

## ORGANIZING COMMITTEE

### **Coordinator (s)**

**Dr B S Kaith, Professor & Head and Dr N C Kothiyal, Professor**, Department of Chemistry, Dr B R Ambedkar National Institute of Technology Jalandhar-144 011 (Punjab) India

**Section 1: Physical Chemistry, Coordinator: Dr Harsh Kumar Manchanda, Associate Professor  
Co-coordinator: Dr Vickramjeet Singh, Assistant Professor**

**Topics:** Synthetic & Physical Chemistry, Electrochemistry, Theoretical Chemistry, Simulations, Chemistry for Quality of Life, Nuclear Science & Technology or any topic related to Physical Chemistry

**Section 2: Organic Chemistry, Coordinator: Dr Jaspreet Kaur Rajput, Associate Professor  
Co-coordinator: Dr Virender Singh, Assistant Professor**

**Topics:** Organic synthesis, Drug Design, Biochemistry & Chemistry of Food & Nutrition, Green Chemistry and Technology or any other topic related to Organic Chemistry

**Section 3: Inorganic Chemistry, Coordinator: Dr Sangeeta Obrai, Associate Professor  
Co-coordinator: Dr Sadhika Khullar, Assistant Professor**

**Topics:** Inorganic Material Synthesis, Coordination Complex Synthesis, Crystallography or any other topic related to Inorganic Chemistry

**Section 4: Polymer Chemistry and Smart materials, Coordinator: Dr Rajeev Jindal, Associate Professor  
Co-coordinator: Dr Vimal Kumar, Assistant Professor**

**Topics:** Synthetic Polymers, Natural Source derived Polymers, Stimuli responsive Polymers, Polymers sorbents, Polymers for biomedical applications, Bionanocomposites materials or any other topic related to Polymer Chemistry

**Section 5: Nanotechnology and Materials fabrication, Coordinator: Dr Uma Shanker, Assistant Professor  
Co-coordinator: Dr Vimal Kumar, Assistant Professor**

**Topics:** Synthesis of Nanomaterials, Nano-composites, Nanofiber reinforced cement and concrete materials, Applications of nanomaterials in diverse fields or any other relevant topics of nanotechnology

**Section 6: Analytical and Environmental Chemistry, Coordinator (s): Professor N C Kothiyal and Professor B S Kaith**

**Topics:** Various chromatographic techniques, Solvent extractions, metal speciation, Pollutants determination, Environmental analysis or any other relevant topics of Environmental and Analytical Chemistry

## INTERNATIONAL ADVISORY COMMITTEE

- ❖ Professor Sarwan S Sandhu, University of Dayton, USA
- ❖ Professor Luc Averous, Université de Strasbourg, France
- ❖ Professor James Njuguna, Cranfield University, UK
- ❖ Professor Alain Dufresne, Grenoble Institute of Technology, France
- ❖ Professor A K Mishra, University of South Africa, South Africa,
- ❖ Professor Shivani Mishra University of South Africa, South Africa,
- ❖ Professor Hussain Choudhery Mustansar, New Jersey Institute of Technology, USA,
- ❖ Professor Suprakash Sinha Ray, CSIR, South Africa
- ❖ Dr B Sarkar, Professor Emeritus, University of Toronto, Canada
- ❖ Professor Alexei Khokhlov, Russia
- ❖ Professor Ashutosh Tiwari, Director, Institute of Advanced Materials, Sweden

## NATIONAL ADVISORY COMMITTEE

- ❖ Professor Kamaluddin, IIT- Roorkee
- ❖ Dr Prakash P Wadgaonkar, NCL-Pune
- ❖ Professor Y D Vankar, IIT-Kanpur
- ❖ Dr Manas Sarmah, Jubilant, India
- ❖ Professor Inderjeet Kaur, HPU
- ❖ Professor Bhuvanesh Gupta, IIT Delhi
- ❖ Professor Ravi Bhushan, IIT- Roorkee
- ❖ Professor Ramesh Chandra IIT- Roorkee
- ❖ Professor Gurdeep Singh, ISM- Dhanbad
- ❖ Professor RP Singh, IISER Pune
- ❖ Professor G P Karmakar, IIT Kharagpur
- ❖ Dr Rahul Saxena, Willowood Chemicals, pvt. ltd
- ❖ Professor S Sarkar, IIT Kanpur
- ❖ Professor S K Mehta, PU Chandigarh
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- ❖ Professor Manoj Kumar, GNDU Amritsar
- ❖ Professor Girish Sahni, IMTECH
- ❖ Professor Neeta Sharma, UICET
- ❖ Professor Swapanpreet Singh Chimni, GNDU Amritsar
- ❖ Dr R P Dobhal, DG, UCOST, Dehradun

## LOCAL ORGANIZING COMMITTEE

- ❖ Professor B S Kaith , Dept of Chemistry, NITJ
- ❖ Professor N C Kothiyal, Dept of Chemistry, NITJ
- ❖ Dr Rajeev Jindal, Dept of Chemistry, NITJ
- ❖ Dr Harsh Manchanda, Dept of Chemistry, NITJ
- ❖ Dr Sangeeta Obrai, Dept of Chemistry, NITJ
- ❖ Dr Jaspreet Kaur, Dept of Chemistry, NITJ
- ❖ Dr Uma Shanker, Dept of Chemistry, NITJ
- ❖ Dr Virender Singh, Dept of Chemistry, NITJ
- ❖ Dr Vickramjeet Singh, Dept of Chemistry, NITJ
- ❖ Dr Vimal Kumar, Dept of Chemistry, NITJ
- ❖ Dr Sadhika Khullar, Dept of Chemistry, NITJ
- ❖ Dr Sangeeta Garg, Dept of Chemical Engg., NITJ
- ❖ Dr Rohit Mehra, Dept of Physics, NITJ
- ❖ Dr S K Mishra, Registrar, NIT Jalandhar
- ❖ Professor Arvind Bhardwaj, NITJ
- ❖ Dr Ajay Bansal, Dept of Chemical Engg., NITJ
- ❖ Professor Subash Chandra, Dept of Mechanical Engg., NITJ
- ❖ Dr S K Pahuja, Dept of Instrumentation & Control Engg., NITJ
- ❖ Dr A K Chaudhary, Dept of Textile Engg., NITJ
- ❖ Professor Anish Sachdeva, Dept of Industrial Engg., NITJ
- ❖ Professor Vinay Midha, Dept of Textile Engg., NITJ
- ❖ Dr Jatinder Kumar Rattan, Dept of Chemical Engg, NITJ
- ❖ Dr Harleen Dahiya, Dept of Physics, NITJ
- ❖ Dr H M Mittal, Dept of Physics, NITJ
- ❖ Professor A L Sangal, Dept of Computer Sci., NIT J
- ❖ Dr R R Sinha, Dept of Mathematics, NIT J

## “PUNJAB”

### Face of India

Punjab located in the north west of India with its capital at Chandigarh, is one of the most prosperous states. The State originates its name after five rivers Sutlej, Beas, Ravi, Chenab and Jehelum i.e. 'punj-ab'. At the end of British Rule, the Punjab was split between India and Pakistan. Some of the main cities in Indian Punjab are Amritsar, Jalandhar, Ludhiana and Patiala. Amritsar is known for its famous Sikh Pilgrimage “The Golden Temple” known World over.



Golden Temple Amritsar



The Jallianwala Bagh of Amritsar is another historical spot which reminds one of the Punjab's sacrifices to the freedom struggle of India. Punjab state of India is the food basket of the country as it produces 60% of its wheat and 40% of its rice. The famous Bhakra dam, described as the New Temple of Resurgent India, is located across Sutlej River near its border. The warmth and hospitality of the people are the main attractions in this region.

## Welcome to Jalandhar

An ancient city in Punjab, Jalandhar ruled by the Hindus and the Mughals in succession, is believed to be the oldest city in Punjab. The city, which has major road and rail connections, is a market for agricultural products, textiles, leather goods, hand tools, wood products and sporting goods. Jalandhar today is a highly industrialized centre being India's foremost producer of world class sports equipments. Popularly called the 'Sports City of India' as it has not only the finest sports industry but also has the distinction of producing some of the best sports persons in the country. Specially in the field of Indian Hockey. Jalandhar is also considered as a hub for education as many professional Institutions are situated in the city. "Pushpa Gujral Science City" situated on Jalandhar-Kapurthala Road is one of the major Tourist Attractions of the City. It has very alive atmosphere, something that is typical to the whole of Punjab. It is situated at a distance of 146 km from its capital Chandigarh and is at a distance of 350 km from New Delhi on Delhi-Amritsar National Highway. Nearest National airport is at Adampur, Jalandhar at a distance of about 35 km and International airport at Amritsar at a distance of 90 km. The other Airports in the vicinity are at Chandigarh and New Delhi.

## Dr B R Ambedkar N I T Jalandhar

Dr B R Ambedkar National Institute of Technology, Jalandhar (NITJ) is a leading premier autonomous Institution (under Ministry of Human Resource Development, Govt. of India, New Delhi) of northern India. The Institute was established in the year 1987 as a Regional Engineering College, which was given the status of National Institute of Technology in the year 2002 by the Government of India. The Institute offers Bachelor of Technology (B Tech) programmes in eleven disciplines of Engineering and Technology, Master of Science in Chemistry, Physics and Mathematics, Master of Technology (M Tech) and Doctor of Philosophy (Ph D) in all Disciplines of Science & Engineering. The Institute is located in an eco-friendly environment amidst a rambling campus spread over 154 acres. The various Departments of the Institute has been selected for DST-FIST support program including Department of Chemistry by the DST, Ministry of Science and Technology, Government of India, New Delhi.



Devi Talab Mandir, Jalandhar



Administrative Building, NIT Jalandhar



"Newly constructed Science block NITJ

## About Department of Chemistry

The Department of Chemistry – NITJ is one of the seventeen Departments of the Institute. The coherent, cohesive and homely environment of the Department is attributed to the students, faculty and staff with tremendous potential and opportunities to grow academically, emotionally and spiritually. The Department started functioning in 1989 for teaching undergraduate (B Tech) students. M Sc and Ph D Programs were initiated in July 2006. The Department is striving to emerge as a premier Centre of Chemistry teaching and research of the country. Within a short span of twelve years, the Department has achieved results which reflect upon the growth pattern of the Department.



## Travelling to Jalandhar

The city of Jalandhar is situated on National Highway-1. It is 350 km away from New Delhi and is easily accessible by train. The Shatabdi Express trains running between New Delhi and Amritsar (via Jalandhar City) are the best modes of travel to and from Jalandhar. Nearest National airport is at Adampur, Jalandhar at a distance of about 35 km and International airport at Amritsar at a distance of 90 km. The other Airports in the vicinity are at Chandigarh and New Delhi. Climate of the City during the Conference will be pleasant.



Professor (Dr) B S Kaith, Department of Chemistry, NIT-Jalandhar was conferred with Professor Wahid Uddin Malik Memorial ICC National Award - 2018

## Accommodation

Limited accommodation is available in the Institute Guest House. A list of hotels in the city offering discounted Conference rates will be provided on the Conference website shortly. Please note that the accommodation is not included in the Conference fee and accommodation will be provided on request in advance (For details please visit website).



## Call for Papers

Prospective authors are invited to submit abstracts which are relevant to the themes (Section 1 to 6) to **Dr Uma Shanker, Organizing Secretary of the conference**. Authors should submit a 250 word abstract of their paper by July 31, 2019, indicating theme and subtheme under which the paper is to be considered. On-line submission through e-mail ([ccc2019nitj@gmail.com](mailto:ccc2019nitj@gmail.com)) is strongly encouraged. The template of the abstract is uploaded on the website of the Institute ([www.nitj.ac.in](http://www.nitj.ac.in)).

Two days' workshop on X-ray Diffraction organized by Dept of Chemistry

## Conference Fee

The fee structure is shown below:

Registration Fee*	Category	Up to August 31, 2019	Up to September 30, 2019	On-spot
<b>Foreign Delegates</b>	Delegates/Academic /Industry/R&D	\$ 400	\$ 450	\$ 500
	Student Delegates	\$ 200	\$ 250	\$ 300
	Accompanying Persons	\$ 250	\$ 250	\$ 250
<b>Indian Delegates</b>	Industry	Rs. 6000	Rs. 8000	Rs. 10000
	Academic / R&D	Rs. 4000	Rs. 4500	Rs. 5000
	Students	Rs. 2000	Rs. 2500	Rs. 3000
	Accompanying Persons	Rs. 1000	Rs. 1200	Rs. 1500

**DELEGATE REGISTRATION FEE INCLUDES:** Conference Kit, Inaugural Ceremony, Conference Sessions, Welcome Dinner, Conference Dinner, Cultural Evening, Lunches, Session Tea and Souvenir.

**ACCOMPANYING PERSON(S) REGISTRATION FEE INCLUDES:** Inaugural Ceremony, Welcome Dinner, Conference Dinner, Cultural Evening and Tea / Coffee / Lunches.

### Mode of Payment:

Registration Fee has to be paid by DD drawn in favor of **Chemical Constellation Cheminar 2019**, payable at NIT- Jalandhar or through Bank Transfer (NEFT). The Photocopy or scanned copy of bank receipt may be forwarded to the conference secretariat for its information. The bank details are as follows:

**NAME OF THE BANK** : CANARA BANK, NIT- JALANDHAR  
**ACCOUNT NO.** : 2945101004051  
**SWIFT CODE** : CNRBINBBBMC (for Foreign Delegates)  
**IFSC CODE** : CNRB0002945 (for Indian Delegates)  
**Name of Account** : Chemical Constellation Cheminar 2019

- Registration Fee does not include insurance cover, items of Personnel Nature and Local Sight seeing or visits
  - All foreign visitors are required to hold a valid pass-port and visa.
  - The official currency is Indian Rupees, Exchange rates fluctuate regularly and it is advisable to check with official sources.
  - Please visit to the website of NIT- Jalandhar ([www.nitj.ac.in](http://www.nitj.ac.in)) for further details.
- No refund of Registration fee will be made.

## Submission of Abstracts and Further Details

Abstracts may be submitted online to the e-mail of organizing secretaries on the following address. Please indicate the Conference and the section under which the abstract should be considered.

**Young Scientist Award (s):** One award under each Section (This will be applicable to the candidates with age less than 35 years)

**Best Paper Award (s):** Six Best Paper Awards will be given under each category of ORAL and POSTER Presentations.

### For Registration & Submission of Papers Please Contact:

#### Dr Uma Shanker

Organizing Secretary  
(Chemical Constellation Cheminar- 2019)  
Department of Chemistry,  
Dr B R Ambedkar N I T Jalandhar - 144011 Punjab  
**Mobile : 07837588168**  
**e-mail : ccc2019nitj@gmail.com**

#### Dr Sadhika Khullar

Organizing Secretary  
(Chemical Constellation Cheminar- 2019)  
Department of Chemistry,  
Dr B R Ambedkar N I T Jalandhar - 144011 Punjab  
**Mobile : 08054628675**  
**e-mail : ccc2019nitj@gmail.com**

### Important Dates

- ❖ **Submission of abstract deadline** : **July 31, 2019**
- ❖ **Notification of acceptance of Abstract** : **August 30, 2019**
- ❖ **Last Date for Registration (with late fee)** : **September 30, 2019**

## Sponsorship and Exhibition

A number of Chemical, Glassware's and Analytical Equipment companies have been invited to sponsor the conference and to take the opportunity to exhibit their products to the delegates. Sponsors will gain exposure & promotional benefits including trade opportunities among galaxy of scientists from various parts of India & the World. Sponsoring company profile will be printed in the Program booklet to the delegates at the Conference. For Sponsorship or any other information please organizing secretary of the conference. Conference Souvenir will be published which will include company profile. Companies can opt for sponsorship as per the following details:

❖	Diamond Sponsor*****	Rs. 01 Lac and above	Front inside Full page advertisement in Souvenir / Proceedings
❖	Platinum Sponsor ****	Rs. 60,000/- and above	Back page of Souvenir / Proceedings
❖	Golden Sponsor***	Rs. 50,000/- and above	Front inside half page of Souvenir / Proceedings.
❖	Silver Sponsor**	Rs. 25,000/- and above	¼ Page in the Souvenir / Proceedings
❖	Advertisement in Souvenir*	Rs. 10,000/- and above	Advertisement in Souvenir

**Note:-** In addition the advertisement of the companies sponsoring the program can make their advertisement through Banners and Posters outside the Venue.

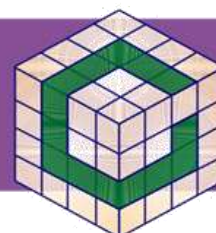
**For more details Contact the following persons:**

#### Dr Uma Shanker

Organizing Secretary  
Department of Chemistry  
Dr B R Ambedkar N I T  
P O: NIT, Jalandhar – 144 011 (Punjab), India  
e-mail id: **ccc2019nitj@gmail.com**,

#### Dr Sadhika Khullar

Organizing Secretary  
Department of Chemistry  
Dr B R Ambedkar N I T  
P O: NIT, Jalandhar – 144 011 (Punjab), India  
e-mail id: **ccc2019nitj@gmail.com**







DR. B R AMBEDKAR  
NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR

## Chemical Constellation Cheminar – 2019 (C<sup>3</sup>-2019)

(An International Conference)

October 12-13, 2019

Science & Technology for Sustainable Development and Innovations

### **REGISTRATION FORM**

Duly filled Registration form together with appropriate remittance for Registration must reach to **Dr Uma Shanker, Organizing Secretary, Chemical Constellation Cheminar- 2019, Department of Chemistry, Dr B R Ambedkar N I T Jalandhar - 144011 Punjab, e mail : ccc2019nitj@gmail.com, Mobile : 07837588168**

latest by July 31, 2019

1. Name: \_\_\_\_\_
2. Designation : \_\_\_\_\_
3. Institution : \_\_\_\_\_
4. Title of Paper : \_\_\_\_\_
5. Section: \_\_\_\_\_
6. Postal address & e-mail ID for correspondence: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Telephone / Mobile No. \_\_\_\_\_
8. Registration Fee: \_\_\_\_\_  
Amount : \_\_\_\_\_
- D. D. No. \_\_\_\_\_ Date : \_\_\_\_\_
9. Accommodation required : Yes / No

#### **Type of Accommodation:**

Limited Accommodation is available on the Institute Guest House. A list of hotels in the city offering discounted Price for the Conference will be provided on the Institute website shortly. Please note that accommodation is not included in the Conference Registration fees and Delegates are responsible for their own accommodation. Accommodation may be provided to Students on payment basis subject to availability.

Place

Date:

Signature of the Applicant

#### **DECLARATION**

This is to certify that Dr./Mr./Ms. \_\_\_\_\_ is an employee / student of our organization sponsored for the International Conference on “Chemical Constellation Cheminar-2019 (CCC-2019)” being organized by Department of Chemistry, Dr. B R Ambedkar National Institute of Technology, Jalandhar during October 12-13, 2019.

Place:

Date:

Authorized Signatory with Seal