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Vice-Chancellor,  
Guru Nanak Dev University,  
Amritsar

**Chairperson**  
**Prof. Palwinder Singh,**  
Head, Department of Chemistry,  
Guru Nanak Dev University, Amritsar

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**Finance Secretary: Dr. Vipin Kumar**

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Prof. Sukhprit Singh	Dr. Amanpreet Kaur
Prof. Sumanjit Kaur	Dr. Nivedita Chaudhari
Prof. Palwinder Singh	Dr. Richa Vinayak
Prof. Inderpreet Kaur	Dr. Manvir Kaur
Dr. Vipin Kumar	Dr. Gopal Singh
Dr. Tejwant Singh Kang	Dr. Rajni Aggarwal
Dr. Ashwani Kumar Sood	Dr. Bannipreet Kaur
Dr. Ritu Bala	Dr. Priya Kumari

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2. Prof. Uday Maitra, IISc Bangalore
3. Prof. Anil Kumar Singh, IIT Bombay
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5. Prof. Atul Goel, CDRI, Lucknow
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7. Prof. Juyoung Yoon, Ewha Womans University, South Korea
8. Prof. Alexander Wei, Purdue University, USA
9. Prof. Dilip K. Maiti, Vice-Chancellor, Biswa Bangla University, West Bengal
10. Prof. Amrita Chatterjee, BITS Pilani, Goa
11. Prof. Inamur Laskar, BITS Pilani, Pilani
12. Prof. Prabhat K Singh, BARC, Bombay
13. Prof. Mainak Banerjee, BITS Pilani, Goa
14. Prof. Manab Chakravarty BITS Pilani, Hyderabad
15. Prof. Apurba Lal Koner, IISER Bhopal
16. Dr. Abhijit Patra, IISER Bhopal
17. Prof. Vandana Bhalla, GNDU, Amritsar
18. Prof. Manoj Kumar, Amritsar

**Location**

Department of Chemistry, Guru Nanak Dev University, Amritsar

**Organized by:**

**Department of Chemistry, UGC Centre of Advanced Study, Guru Nanak Dev University,  
Amritsar-143005 (Pb) India**

&

**Luminescent Organic Consortium of India (LOCI) BITS Pilani, K.K. Birla Goa Campus, Goa**

**International Conference**

on

**“Luminescent Materials: From  
Fundamentals to Applications  
(ICLMFA-2024)”**

**March 15-16, 2024**



**Topics for the conference**

1. Fundamentals of Luminescent Materials,
2. Luminescent Materials as chemical and biological sensors,
3. Luminescent Materials for catalysis,
4. Luminescent Materials for Fluorescence imaging,
5. Luminescent Materials for diagnostic applications,
6. Luminescent Materials as theranostics and nanomaterials.

**Website Committee**

Tirath Singh Sandeep Sood Bhupinder Singh

**Conference Website**

<https://online.gndu.ac.in/LuminescentMaterials/index.aspx>

**E-mail Id:**

[lumat24@gndu.ac.in](mailto:lumat24@gndu.ac.in)



## International Conference

on

## Luminescent Materials: From Fundamentals to Applications (ICLMFA-2024)



The chemists have a big role to play in every aspect of life; they design new molecular entities to facilitate mankind in terms of better health (both diagnostics as well as new drugs) and better lifestyle (novel materials and devices). To highlight the role of chemists in one of these aspects of life, the Department of Chemistry is organizing the First International Conference on “Luminescent Materials: From Fundamentals to Applications” during March 15-16, 2024.

During the two-day conference a number of renowned scientists, from different universities and institutes both from India and abroad will deliver lectures on the contemporary areas of research besides poster presentations by the young researchers. The deliberations will highlight the recent advances in the molecular design of luminescent materials and their use as chemical/biological sensors, in fluorescence imaging, diagnosis, in catalysis, and as thermostics. The organizing committee takes immense pleasure in inviting you and your colleagues to participate in this conference.

### About Guru Nanak Dev University



**GNDU Amritsar:** an aerial view of the green campus

Guru Nanak Dev University, a state university, was established on Nov. 24, 1969 to commemorate the 500<sup>th</sup> birth anniversary of Shri Guru Nanak Dev Ji, the founder of Sikh religion. Guru Nanak Dev University is one of the premier universities of the country, which has been accredited with the 5 star (the highest level) accreditation thrice among the universities in India by National Assessment and Accreditation Council (NAAC) Bangalore. Guru Nanak Dev University has attained the highest status of University with Potential for Excellence (UPE) which is the highest status award by UGC. Apart from traditional areas of higher education, university has a reputation of promoting education and research in professional and technological fields, with the aim of creating human resources in the new but highly required areas in the country. In addition to academics, the University has the pride of winning the highest Inter-University professional and technological fields, with the aim of creating human resources in the new but highly required areas in the country.

In addition to academics, the University has the pride of winning the highest Inter-University National Sports Award of the country “Maulana Abdul Kalam Azad Trophy”(MAKA) for a record number of 23 times.



**Stadium (Astroturf ground for hockey)**

### About Luminescent Organic Consortium of India (LOCI)

The main objectives of the consortium are to foster collaboration and knowledge-sharing among researchers in India working on luminescent organic materials, to organize workshops and seminars to disseminate the latest research findings and to provide training and education to new researchers entering the field. The idea is to promote global research collaborations and to enhance the visibility and impact of Indian research in the field. Further, LOCI aim to promote collaboration with industry partners to explore potential commercial applications for the developed materials (optoelectronics, sensors, and bioimaging). For the promotion of interdisciplinary research among members of LOCI, several strategies are proposed such as the use of instruments in collaboration, Joint collaborative basic and applied research among members, helping the members in finding the solution to the problem in their respective fields and support in linkages with Industries for technology development.

### About Department of Chemistry, Centre of Advance Study, Guru Nanak Dev University, Amritsar

The Department of Chemistry was established in 1971 and over a period of time it has emerged as one of the premier departments not only in the university but also has acquired a prestigious status at the national level. The department has been recognized as a by UGC for Supramolecular Chemistry and Materials for Devices. The Department of Science and Technology has funded the department thrice under its "Funds for improvement of S & T Infrastructure in Universities and Higher Educational Institutions (FIST)" The department offers five years integrated course in M.Sc. Chemistry under honours school scheme, M. Sc. Chemistry, M. Sc. (Pharmaceuticals), B. Tech (Textile processing) and Ph. D in frontline areas of chemical science. The semester system with credit based evaluation



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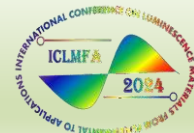




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**Department of Chemistry:** UGC centre of advanced study.

and grading system is followed for teaching programmes. The research activities of the department focus on supramolecular chemistry, synthetic organic and inorganic chemistry, biological chemistry, chemistry of ionic liquids, electrochemistry, material chemistry, medicinal chemistry surfactant chemistry, oils and fats chemistry, thermodynamics, analytical chemistry etc. The research projects are funded significantly by agencies like CSIR, SERB, UGC, DST, DRDO, DAE and DBT.

The role of the department in the development of chemical sciences is evident from a significant number of research papers published/being published in high impact international journals of repute. The department has state of the art instruments like 400 and 500 MHz NMR Spectrometers, HPLC, FTIR, UV-Vis, Fluorescence & Time Resolved Fluorescence Spectrometers, Thermal Gravimetric Analyzer, GLC, HRMS, BET analyzer, SEM, VSM, AFM, Peptide Synthesizer, Loop tracer, Electrochemical Work Station, Microwave Synthesizer, DSC, Tensiometer, Polarized Optical Microscope (POM), Powder X-ray diffractometer, Density Sound Velocity Analyzer, Polarimeter, DLS-Zeta Seizer, Impedance Analyzer, Isothermal Titration Microcalorimeter, Cyclic Voltammeter, Resistivity meter, FPLC, AFM. Several faculty members of the department have exposure to foreign laboratories in the form of post-doctoral fellows or as visiting professors / scientists. A number of faculty members are fellows of academies of national repute and are also recipients of research medals from different research societies of India. The department library has a collection of about 16,500 books and regular subscription to 28 journals in addition to the e-journals available through UGC consortium.

### About The City of Amritsar

Tradition traces Amritsar's origin from prehistoric times as a place having in its womb an Amrit-Kund (Spring of Nectar) in the desolate area covered with wild growth. It was in the lot of Guru Ram Das, the fourth Guru of Sikhs, to discover

it and build a big Sarovar (tank) on the site in AD 1564. Simultaneously, the foundation of a town was also laid. The construction of the tank and the town was completed in AD 1577. The town at first was called Chak Guru / Chak Guru Ram Das / Ram Das Pura, later on won its present appellation, Amrit from the holy tank which had been a source of exhilaration to the Sikh community.



**Golden Temple:** an epitome of faith and serenity

Guru Ram Das's successor, Guru Arjan Dev, continued the task of development of the town. He raised the Harmandir in the centre of the Holy tank, gave the Sikh community its sacred scripture (Adi Granth) and bound his followers in an organization.

Guru Arjan Dev's successor, Guru Hargobind, adopted defensive measure in self-defense and decided to wear two swords, one symbolizing the spiritual and the other the temporal authority. He took his seat on the Akal Takhat (The Immortal Throne) and began to administer all the affairs of the Sikh community from here. With the ascendancy of Maharaja Ranjit Singh, Amritsar was ushered into its Golden Age. The city was conquered by the Maharaja in AD 1805. Under the lavish patronage of Maharaja Ranjit Singh, the Harmandir was given a marble face and golden look for which it has now earned the name of the Golden Temple.

### Registration Fees:

The participants are required to complete online registration and pay the registration fee. The registration fee includes full participation, a conference kit, lunches/refreshments on all the conference days.

Participants	Registration fee
Ph.D students	Rs. 3,540
Postdoc fellows	Rs. 5,900
Indian Faculty	Rs. 5,900
Industrial professionals	Rs. 11,800
Accompanying person	Rs. 2,950

**\*GST (@ 18%) is included on the registration fee.**

**\*\*20% of extra regular registration fee will be charged for late or spot registration.**



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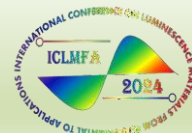




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### Accommodation:

Limited accommodation is available for research scholars in the GNDU campus. It will be provided on the first come first serve basis without any charge. We will help research scholars in arranging suitable accommodation on payment basis.

### Abstract Submission:

All the participants may submit an abstract of their original research work for oral/poster presentation. Committee of experts will examine the abstracts and a few research scholars will be selected for the oral presentation. The Information regarding abstract template, mode of submission, poster size etc. is available at the conference website.

### Important Dates

Registration starts: 01 January, 2024

Registration ends: 04 March, 2024

Confirmation of acceptance of abstract: 06 March, 2024

### Contact person:

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