

NCCP-2024

NATIONAL CONFERENCE ON CHEMICAL PHYSICS

18 & 19 MARCH, 2024

ORGANIZED BY :

DEPARTMENT OF PHYSICS, ASSAM UNIVERSITY, SILCHAR



www.aus.ac.in

Conference website:

<https://sites.google.com/view/nccp2024/home>

About the Conference : Chemical physics is a branch of science at the interface between physics and chemistry that includes structures and dynamics of a wide range of chemical systems and phenomena e.g. atomic collisions, structures and properties of molecules, nanomaterials, biological macromolecules, complex materials etc. The field is very rich in terms of techniques used, both experimental and theoretical. The National Conference on Chemical Physics (NCCP-2024) will provide a forum to the researchers working at the forefront of chemical physics to share and discuss their most exciting results, recent developments and challenges. Eminent professors/scientists, young researchers, research scholars and M.Sc. students interested in experimental and/or theoretical areas of chemical physics from different parts of the country are invited to participate in the conference. The conference aims to provide ample opportunity for M.Sc. students and young researchers to interact with senior professors/scientists, which may bring about interdisciplinary research collaborations in the field of chemical physics. The conference will include key-note and invited lectures along with paper presentations (oral and poster).

Topics :

The conference will cover all aspects of research related to chemical physics including the following :

- Molecules and materials for innovative and sustainable development
- Biological and biologically important molecules
- Molecular mechanisms of mutation and cancer
- Protein folding and dynamics
- Anticancer drugs
- Energy harvesting materials
- Nanomaterials and nanocomposites
- Polymers and soft matter
- Surfaces and interfaces
- Atoms, molecules and clusters
- Molecular collisions and scattering theory
- Reaction mechanisms and non-linear dynamics
- Imaging techniques and applications
- Molecular simulation methods and their applications
- Recent developments in chemical physics

Confirmed Speakers :

- Prof. A. C. Pandey, Director, IUAC, New Delhi
 - Prof. Abhijit K Das, IACS, Kolkata
 - Prof. Biswarup Pathak, IIT Indore
 - Dr. Bipin K. Gupta, NPL, New Delhi
 - Prof. G. Narahari Sastri, Ex-Director, CSIR-NEIST, Jorhat, Assam
 - Prof. K. D. Sen, INSA Honorary Scientist, Hyderabad Univ.
 - Prof. L. C. Tribedi, TIFR, Mumbai
 - Dr. N.R. Jena, IITDM, Jabalpur
 - Dr. Pankaj Poddar, CSIR-NCL, Pune
 - Prof. P. K. Padmanabhan, Physics Dept., IIT Guwahati
 - Prof. Sanjay Kumar, Physics Dept. B.H.U., Varanasi
 - Prof. Saurabh Kr. Singh, Chemistry Dept., IIT Hyderabad.
 - Dr. Rubel Chakravarty, Scientific Officer-G, BARC, Mumbai
 - Prof. Vineet Kr. Rai, Physics Dept., IIT (ISM) Dhanbad
 - Dr. Virendra Vikram Singh, Scientist E, DRDE, DRDO, Gwalior
 - Some more prominent speakers will join.
- Details on conference website.

Local Organizing Committee :

Chief Patron : Prof. Rajive Mohan Pant
Vice-Chancellor

Patron : Prof. Karabi Dutta Choudhury
Dean, A.E. School of Physical Sciences

Chairman : Prof. B. I. Sharma
HOD (i/c), Physics Department

Convener : Dr. P. K. Shukla
Associate Professor, Physics Department

Secretary : Mr. S. Biswas
Asstt. Professor, Physics Department

Members : All faculty members of Physics Dept.

National Advisory Committee :

Prof. A. C. Pandey, Director, IUAC, New Delhi
Prof. Abhijit K. Das, Senior Professor, I.A.C.S., Kolkata
Prof. G. Narahari Sastry, Ex-Director, CSIR-NEIST, Jorhat, Assam
Prof. D. S. Pandey, Chemistry Dept., B.H.U., Varanasi
Prof. Poonam Tandon, Vice-Chancellor, Gorakhpur Univ., Gorakhpur
Prof. Siva Umamathy, IISc, Bengaluru
Prof. K. D. Sen, INSA Honorary Scientist, University of Hyderabad
Prof. P. K. Mukherjee, Ex-Senior Professor, I.A.C.S., Kolkata
Prof. Shobhana Narasimhan, J.N.C.A.S.R., Bengaluru

Registration & Abstract Submission Link:

<https://forms.gle/Vk2g7iapXz9SyTuk8>



There will be three best poster awards.

Registration Fees :

Delegate Category	*Early Bird	**Regular	On-site
Faculty Members	1800	2000	2500
Research Scholars/Postdocs	1000	1200	1500
M. Sc. Students	300	500	700
Industry Delegate	3500	4500	5000
Accompanying persons	2500	3000	3500

Registration fee may be paid via electronic mode only.
Bank details are:

- 1) Account No. : 20050110035450
 - 2) Account holder name: ASSAM UNIVERSITY PROJECT A/C II
 - 3) Bank Name: UCO Bank
 - 4) IFSC CODE: UCBA0002005
 - 5) MICR CODE : AAAJA 1988P
- (In the note: Please mention NCCP2024)



About the University : Assam University came into existence through Assam (Central) University Act, 1989 (Established under an Act of Parliament). It was established in 1994, since then the University is steadily becoming an excellent centre of learning. The campus, situated in Dargakona, about 20 kms from Silchar, is set amid sprawling hillocks, a typical landscape in the North East. More details can be found at the website: aus.ac.in



Silchar City: Silchar, the Headquarter of the District of Cachar, is situated on the bank of Barak River and is about 343 km from Guwahati in the southernmost part of Assam. The District is bounded on the North by Barail and Jayantia hill ranges, on the South by the State Mizoram, on the East by the State of Manipur and West by sister districts Hailakandi and Karimganj of Assam. It is the second-largest city of the Assam in terms of population and municipal area.

How to reach : The City is well connected by Air, Rail and Road. There are daily direct flights from Kolkata and Guwahati to Silchar. Nearest airport is located at Kumbhigram about 22 kilometres from Silchar. Nearest and second nearest railways stations are Silchar and Badarpur Jn., respectively.

Contact us:

Dr. P. K. Shukla

Convener, NCCP-2024
& Associate Professor
Department of Physics
Assam University, Silchar-788011, INDIA
Mobile: +91-8638683540
E-mail: nccp2024@gmail.com ; pkshukla@ymail.com

TA/DA and accommodation may be provided to limited participants on the basis of availability of funds.

Important Dates:

Last Date for Registration and Abstract Submission : 28/02/2024

*Early Bird Deadline : 10/02/2024

**Regular Deadline : 10/03/2024

Acceptance of Abstracts : 07/03/2024