



## CALL FOR PARTICIPATION

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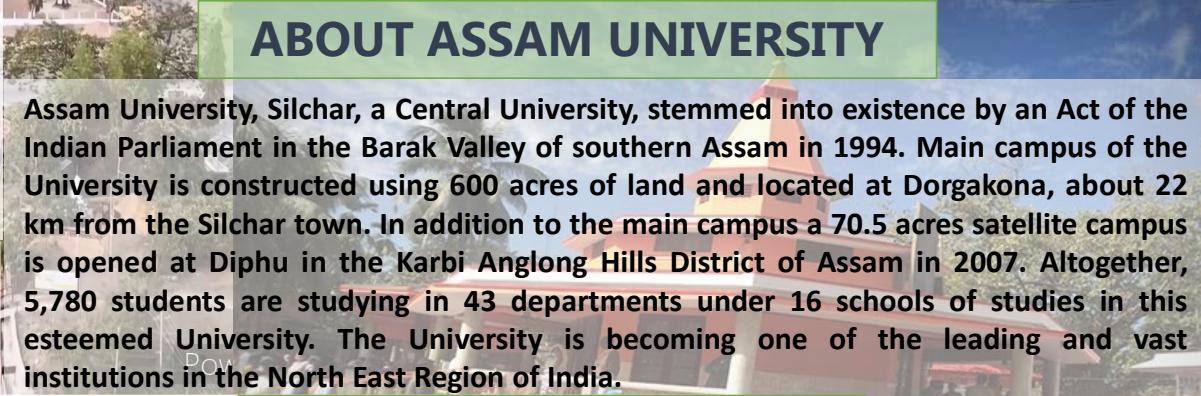
### International Conference on Systems and Processes in Physics, Chemistry and Biology (ICSPPCB-23)

02<sup>nd</sup> – 04<sup>th</sup> March, 2023

Website: <https://sites.google.com/view/icsppcb23>

**ORGANIZED BY**

**DEPARTMENT OF PHYSICS**  
**ASSAM UNIVERSITY**  
**SILCHAR 788011, ASSAM, INDIA**



## ABOUT ASSAM UNIVERSITY

Assam University, Silchar, a Central University, stemmed into existence by an Act of the Indian Parliament in the Barak Valley of southern Assam in 1994. Main campus of the University is constructed using 600 acres of land and located at Dorgakona, about 22 km from the Silchar town. In addition to the main campus a 70.5 acres satellite campus is opened at Diphu in the Karbi Anglong Hills District of Assam in 2007. Altogether, 5,780 students are studying in 43 departments under 16 schools of studies in this esteemed University. The University is becoming one of the leading and vast institutions in the North East Region of India.

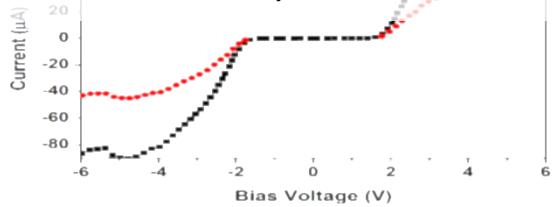
## ABOUT SILCHAR

Silchar, the headquarter of the district of Cachar, stands on the bank of the river Barak and is about 343 km from Guwahati, the capital of Assam. It has many attractive tourist spots, like Khaspur (Lion Gate), the Sun Gate, Sonbeel (largest wetland in Assam state), Jatinga River (Bird Mystery) and many historic temples besides Maniharan Tunnel, Borail Wild Life Sanctuary, Haflong (Hill station) etc. It is the second-largest city of Assam.

## ABOUT THE CONFERENCE

Natural processes are very complex and difficult to perceive not only because of the simultaneous influence of numerous factors but also our inability to understand the involved phenomenon at different scales. Hence the theoretical and experimental knowledge are prerequisite for the underlying dynamics as well as for the quantitative prediction of these phenomena. Precise justification of these processes brings physicists, chemists, and biologists together. Significant research from atomic level to molecular to cluster to framework/network to giant biological systems need experimental findings and their detailed understanding via theoretical justification with multiscale simulation techniques. The unknown or difficult to determine inherited fundamental mechanism provides ample scientific opportunities which may lead to open up the paths towards technological importance.

This conference aims to bring the physicists, chemists, and biologists together, internationally to discuss the frontline topics of science under research. One session of ICSPPCB 2023 will be dedicated to celebrate the 65-th birthday of Prof. Pratim Kumar Chattaraj, a renowned scientist in this field. Scientists, researchers, research scholars, masters, as well as under graduate students interested in sharing/exploring the experimental and/or theoretical areas related to the above fields from different parts of the country and abroad are invited to participate in this conference. The primary goals of this conference is to share information, develop expertise and curiosity among young researchers apart from attracting the young students to choose scientific research as carrier opportunity. The conference includes interim sessions for discussion among the participants to provide a platform for further opportunities as well as collaborations. There will be invited lectures, as well as interim discussions, beside oral and poster presentations.



### International Advisory Committee

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Publication Editors: [Prof. A. Misra, Dr. U. Sarkar and Dr. D. R. Roy](#)

## Call for Papers

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### Confirmed Invited Speakers

- Prof. R. Ahuja, IIT, Ropar  
Prof. P. W. Ayers, McMaster University, Canada  
Prof. A. Ayyappan, IIT, Kharagpur  
Prof. P. Bultinck, University of Ghent, Belgium  
Prof. E. Chamorro, UNAB, Chile  
Prof. P. K. Chattaraj, IIT, Kharagpur  
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Prof. S. K. Ghosh, UM-DAE-CEBS, Mumbai  
Prof. F. H. Zadeh, Queen's University, Canada  
Prof. L. Joubert, Rouen Normandy University, France  
Prof. D. G. Kanhere, S P Pune University, Pune  
Prof. S. N. Khanna, VCU, USA  
Prof. S. Liu, UNC-Chapel Hill, USA  
Prof. S. Mahapatra, University of Hyderabad, Hyderabad  
Prof. C. Morell, UCBL, France  
Prof. S. Narasimhan, JNCASR, Bengaluru  
Prof. S. Pal, Ashoka University, Sonepat  
Prof. P. K. Panigrahi, IISER, Kolkata  
Prof. R. Pati, MTU, USA  
Prof. S. K. Pati, JNCASR, Bengaluru  
Prof. P. Sarkar, Visva-Bharati University, Santiniketan  
Prof. G. N. Sastry, CSIR-NEIST, Jorhat  
Prof. N. Sathyamurthy, IISER, Mohali  
Prof. K. D. Sen, University of Hyderabad, Hyderabad  
Prof. V. Subramanian, CSIR-CLRI, Chennai  
Prof. S. Taraphder, IIT Kharagpur  
Prof. A. Vela, UAMI, Mexico

This conference includes areas but not limited to:

1. Atoms, molecules and clusters
2. Chemical reactivity and kinetics
3. Molecular dynamics and electronic structure calculations
4. Spectroscopy
5. Nano materials, and nano-bio systems
6. Energy harvesting, storage and generation
7. Transport and optical properties
8. Computational physics and computational chemistry

9. Protein folding and dynamics
10. Bioinformatics, drug design and biologically important molecules
11. Structure and dynamics of physical, chemical and biological systems
12. Complex systems and nonlinear dynamics across the discipline
13. Machine learning approach in chemical physics

The 'Book of Abstract of ICSPPCB-2023' will be published in 'Proceedings International' (Indexed in Scopus and Web of Science) [Link: <https://conferenceproceedings.international/> ]

The presented papers, only after peer review, may be published in the 'Biointerface Research in Applied Chemistry' journal (Indexed in Scopus and Web of Science) [Link: <https://biointerfaceresearch.com/> ]

Full length papers should be sent to [icsppcb23@gmail.com](mailto:icsppcb23@gmail.com), as per the guidelines and template as posted in the conference website.

### Registration Fees\*

#### Indian Participants (in INR)

Category	Early Bird	Regular	On-site**
Academicians:	9000	10000	12000
Post Doctorals:	6500	7000	8500
Research Scholars:	5000	5500	7000
M. Sc. Students:	2000	2500	3500
Industry Delegates:	10000	12000	14000
Accompanying Person:	5000	5500	7000

#### Foreign Participants (in USD or equivalent amount)

Category	Early Bird	Regular	On-site**
Academicians:	400	450	550
Post Doctorals:	300	350	450
Research Scholars:	200	300	400
M. Sc. Students:	100	150	200
Industry Delegates:	500	550	600
Accompanying Person:	300	350	450

\* Registration fees once submitted will not be refunded. \*\* Subject to availability of seats

Registration fee# may be paid via multicity check/demand draft/electronic (IMPS/NEFT) transfer. The bank details will be published in the conference webpage soon.

$$3. \cos(\Omega) = 1 - 4 \cdot \cos\left(\frac{\phi + \psi}{2}\right)^2$$

# Registration fee includes conference materials, lodging, breakfast, lunch and dinner during conference days

### Contact details

All correspondence should be addressed to:

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Convener, ICSPPCB 2023

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INDIA

Mobile: +91-8638854896  
Email: [icsppcb23@gmail.com](mailto:icsppcb23@gmail.com)  
[utpalchemiitkgp@gmail.com](mailto:utpalchemiitkgp@gmail.com)

### Important Dates (Extended Deadlines)

Abstract submission: **12.02.2023**  
Notification of acceptance: **12.02.2023**  
Registration: **15.02.2023**  
Full length paper submission: **20.02.2023**

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### REGISTRATION FORM

### International Conference on Systems and Processes in Physics, Chemistry and Biology (ICSPPCB-23) (2<sup>nd</sup> – 4<sup>th</sup> March, 2023)

Department of Physics, Assam University, Silchar, INDIA

Name (in Capital letters): \_\_\_\_\_

Sex (Male / Female): \_\_\_\_\_

Date of Birth (DOB): \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Designation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Highest qualification: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Tel: \_\_\_\_\_

E-mail: \_\_\_\_\_

Are you presenting a paper (Yes/No): \_\_\_\_\_

If yes, mention the title: \_\_\_\_\_

Accommodation is required (Yes/No): \_\_\_\_\_

If yes, provide details of Arrival/Departure:

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