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Details of Payment

The registration fee is payable through the online mode in favour of 'Mahatma Gandhi Central University' payable at Motihari through details given below.

Name : Mahatma Gandhi Central University

A/c No. : 2314101031446

Bank : Canara Bank

Branch : Motihari

IFSC Code : CNRB0002314

*Accommodation: Accommodation in the hotels is available on the payment basis. The charges of occupancy shall be borne by the participant. There are many hotels available nearby the conference venue.

Registration Fee Structure

Participant	Registration	Fees
Foreign Delegate	USD	100.00
Faculty	Rs.	3000.00
Research Scholar	Rs.	2000.00
Students	Rs.	1000.00
Industrial Person	Rs.	4000.00
Spot Registration		Registration Fee+500 Rs.

Important Dates

Last date for submission of Abstract : 10 March 2026

Last date for acceptance of Abstract : 11 March 2026

Last date for submission of registration Fee : 12 March 2026



Chief Patron Prof. Sanjay Srivastava

Hon'ble Vice-Chancellor
Mahatma Gandhi Central University



Patron

Prof. (Dr.) Sunil Srivastava
Dean, School of Physical Sciences
Mahatma Gandhi Central University
Motihari, Bihar



Chairman & Convener

Prof. (Dr.) Devdutt Chaturvedi
Head, Dept. of Chemistry
Former Dean, School of Physical Sciences
Mahatma Gandhi Central University,
Motihari, Bihar



Co-Convener

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Former Head, Dept. of Chemistry
Mahatma Gandhi Central
University, Motihari

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MAHATMA GANDHI CENTRAL UNIVERSITY

(Established by an Act of Parliament)

International Conference

on

Frontier Areas of Chemistry

(ICFAC-2026)

17 to 19 March, 2026

Motihari -845 401

East Champaran, Bihar, India

Organised by

Department of Chemistry,

School of Physical Sciences,

Mahatma Gandhi Central University, Motihari,

Bihar India 845401



About the University

The Mahatma Gandhi Central University, named after the Father of the Nation, was established in the historical land of Champaran under the Central Universities (Amendment) Act 2014 [No. 35 of 2014] enacted by the Parliament. The university is funded and regulated by the University Grants Commission (UGC). The University is presently functioning from five temporary campuses, namely Chankya Parishar, Buddha Parishar, DDU Parishar, Gandhi Bhavan, and an administrative block. The university has seven different schools with over 20 departments and more than 65 ongoing programs. The faculty of sciences is presently functioning from a temporary campus at Zila School called "Chankya Parishar," which is situated at the heart of the city.

About the Department

The Department of Chemistry was established in 2016 and operates under the School of Physical Sciences. It has a highly qualified and dedicated teaching staff who have received their academic and research training from top institutes and universities such as IIT, JNU, RRI, IACS, DU, BHU, CDRI, and abroad. The faculty members are actively involved in research activities. Currently, the department offers PG and PhD courses in Chemistry.

About Champaran

The University is located in Motihari, which is a city in the Champaran district of Bihar, India. This city holds great historical significance as it is the Karam-Bhoomi of Mahatma Gandhi, the father of the nation. It was in this very place that he first practised his idea of Satyagraha against the Neel plantation that was being carried out in the area. The establishment of MGCU is a tribute to Mahatma Gandhi's Champaran Satyagraha, which took place a century ago. The city is situated close to Nepal- only 55 km away from its border town of Birgunj. The beautiful Motijheel lake divides the town into two halves giving it a panoramic view. The weather of the city in the month of February is usually pleasant. Bodh Gaya, the place where Buddha attained enlightenment, is approximately 250 km away from Motihari. The largest Buddhist stupa in India is located in Kesaria, approximately 50 km away from Motihari.

About the conference

Chemistry plays a vital role in developing new materials and sustainable technologies to fulfil the growing needs of our society in the energy, food, and health sectors. This conference aims to bring together distinguished scientists, researchers in academics, industries, and research institutions to share knowledge and exchange ideas about recent advancements and future directions in various areas of chemical and material sciences. The conference will comprise talks by renowned scientists and research papers submitted by contributors in different areas of chemistry.

Calls for Abstract

The conference will cover all broad disciplines of the Chemical Sciences/Material Sciences. The major thrust areas that will be covered in four sessions are the following:

The organizing committee of the conference invites abstracts for oral and poster presentations not exceeding 500 words on a single page (word format, 2.45 cm margin on all sides, 1.0 line spacing and 11 pt in Times New Roman font, the title should be in bold followed by affiliation and author presenting the paper should be underlined) from researchers and academicians on the above-mentioned areas. The abstract should be submitted by email to icfac2026@mgcub.ac.in on or before 10-03-2026. The acceptance of the abstract either for oral or poster presentation will be intimated to the presenting author via email.

1. Advances in Chemical Sciences & Sustainable Technologies Green chemistry

- Catalysis and photocatalysis
- Renewable energy materials
- Eco-friendly synthetic methodologies

2. Frontiers in Organic, Inorganic & Physical Chemistry

- Modern synthetic strategies
- Organometallics and coordination chemistry
- Reaction mechanisms & computational chemistry
- Spectroscopy and structural analysis

3. Nano-Chemistry & Advanced Functional Materials

- Nanomaterials & graphene
- Nano-catalysts
- Applications in energy devices
- Biomedical nanotechnology

4. Chemistry for Health, Agriculture & Environment

- Medicinal and pharmaceutical chemistry
- Natural products and drug design
- Environmental chemistry and pollution control
- Chemical sensors and biosensors

5. Computational Chemistry, AI & Molecular Modeling

- DFT, MD simulations
- AI/ML in chemical research
- Quantum chemistry
- Chemoinformatics & predictive modeling

6. New Horizons in Chemical Biology & Biotechnology

- Biochemical pathways
- Enzyme engineering
- Biomaterials & medical devices
- Chemical biology tools

7. Interdisciplinary Trends in Chemical Research

- Material chemistry for electronics
- Polymers, ceramics, and composites
- Industrial chemistry and process innovation
- Energy storage and conversion

8. Chemistry for a Sustainable Future

- Water purification & treatment
- Waste-to-wealth innovations
- Circular chemistry
- Low-carbon chemical processes

9. Chemistry of Energy Storage & Conversion

- Battery chemistry
- Supercapacitors
- Hydrogen storage
- Fuel cell materials

10. Frontier Technologies in Analytical & Instrumental Chemistry

- Advanced chromatographic techniques
- Mass spectrometry innovations
- Electroanalytical methods
- Spectral imaging technologies

11. Chemical Innovations for Climate Action

- CO₂ capture & utilization
- Atmospheric chemistry
- Climate-resilient materials
- Renewable chemical feedstocks

12. Supramolecular & Molecular Self-Assembly Chemistry

- Host-guest systems
- Molecular machines
- Self-assembled nanostructures
- Crystal engineering

13. Polymer Science, Smart Materials & Soft Matter

- Responsive polymers
- Biodegradable plastics
- Hydrogels & elastomers
- Polymer nanocomposites

14. Industrial & Process Chemistry

- Scale-up technologies
- Process optimization & intensification
- Sustainable industrial processes
- Industrial catalysis

15. Environmental, Water & Soil Chemistry

- Water analysis technologies
- Soil remediation chemistry
- Microplastics & emerging pollutants
- Environmental monitoring sensors

16. Food Chemistry & Nutraceuticals

- Food safety & quality analysis
- Functional foods
- Chemical additives & preservatives
- Bioactive molecules in food

17. Healthcare and Traditional Medicine: Modern healthcare, lifestyle diseases, AMR

- Traditional & integrative medicine Innovations in public health and digital healthcare
- Personalised medicine and immunomodulatory impacts

18. Advances in Biotechnology & Life Sciences

- Cutting-edge biotechnological tools
- Emerging biomolecular technologies
- Innovations in molecular biology

19. Genetic Engineering & Synthetic Biology

- DNA/RNA technologies
- Synthetic gene circuits
- Metabolic engineering
- Artificial life systems

20. Chemical Tools for Understanding Biological Systems

- Small-molecule probes
- Bio-orthogonal chemistry
- Chemical genetics
- Imaging agents and fluorescent probes

21. Drug Discovery, Design & Development

- Target-based drug design
- Natural product-inspired therapeutics
- Fragment-based drug discovery
- Structure-guided medicinal chemistry

22. Chemical Biology of Disease Pathways

- Cancer biology & precision medicine
- Neurodegenerative diseases
- Infectious diseases & antimicrobial targets
- Metabolic and inflammatory disorders

23. Nanobiotechnology & Bio-sensing

- Chemical sensors for diagnostics
- Nano-bioconjugation
- Single-molecule detection
- Nanomedicine

24. Chemical Biology of Signaling & Cellular Communication

- GPCRs and signaling networks
- Redox biology
- Chemical modulators of cellular communication

25. Ayurveda, Yoga & Traditional Health Sciences

- Ayurvedic medicine & evidence-based validation
- Yoga as therapy: modern applications
- Siddha, Unani & folk healing traditions

26. Ancient Indian Science & Modern Innovations

- Contributions of India to mathematics, astronomy, metallurgy
- Traditional engineering & architecture (Vaastu, temple science)
- Indigenous technologies and their modern relevance

Plenary/ Keynote Speakers

Prof. Mahesh K. Lakshman
The City College of New York, USA



Prof. S. Mignani
University of Madeira, Portugal



Prof. S. Tsogoeva
University of Erlangen, Germany



Prof. J. R. Turner
Washington University in St. Louis, USA.



Dr. Abhilasha Singh,
Massachusetts General Health,
University of Harvard, USA



Prof. Pratim Biswas,
University of Miami Florida, USA



Prof. Kaushik Mallick
University of Johannesburg South Africa



Prof. Surendra Prasad
The University of The South Pacific, Fiji



Prof. Arvind Singh Negi
CSIR-CIMAP, Lucknow



Prof. Naveen B Patel
Veer Narmad University Gujarat



Prof. G. Brahmachari
Visva-Bharati Univ. West Bengal



Prof. Krishna N. Singh
BHU, Varanasi



Prof. A.P. Mishra
Sagar University, MP



Prof. S. Baskaran
IIT, Madras



Prof. G. Naresh Patwari
IIT, Mumbai



Prof. T. Narendra
CSIR-CDRI, Lucknow



Prof. Abhinav Kumar
LU, Lucknow



Prof. Md. L. H. Choudhury
IIT, Patna



Prof. Aatmesh Shrivastava
North Eastern University, USA



Prof. Sanjeev K. Singh
Algappa University



Prof. Ramendra Pratap
DU, New Delhi



Prof. Ram Sagar Misra
JNU, New Delhi



Prof. Atul Gupta
CIMAP, Lucknow



Prof. Bhisma Kumar Patel
IIT, Guwahati

Following awards will be given in the conference

1. Lifetime achievement Award
2. Prof. Dr. Suprabhat Ray Memorial award
3. Young Scientist Award
4. Best Oral and Poster Awards

Contact

The enclosed registration form or its photocopy may be filled and sent with registration fee to the corresponding address as per the following details

Address of Correspondence

Chairman & Convener ICFAC 2026

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