

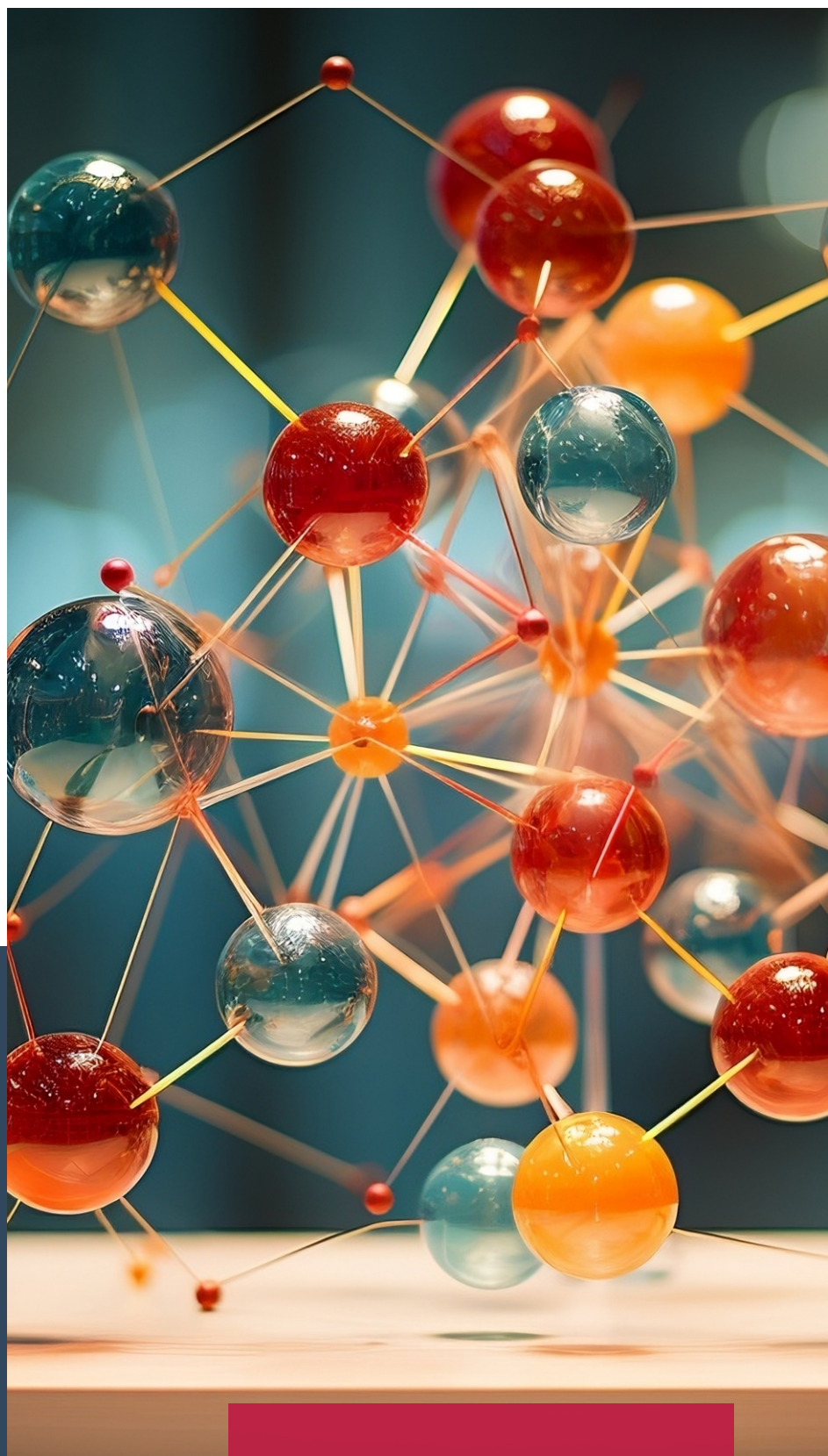
International Conference
On

RECENT ADVANCEMENTS IN MATERIAL SCIENCE AND MATHEMATICS (ICRAMSM 2025)

DATE:

13th - 15th February 2025

Faculty of Science
Jointly organised by the
Department of Physics,
Chemistry & Mathematics



ABOUT

KALINGA UNIVERSITY

Kalinga University, Naya Raipur, is a NAAC accredited University and the only Private University in Chhattisgarh ranked in the top 101-150 Universities in NIRF Ranking 2023 and has emerged as a centre of excellence in higher education in Central India. Strategically located in the Smart City of New Raipur, this University has started carving a niche for itself in the education domain and is rising as a shining star on the horizon of quality education.

Infrastructure – Kalinga boasts world-class infrastructure and student facilities with a student-centric approach. The highest attention is paid to the hands-on learning approach, and students are encouraged to come up with innovative ideas for projects and practicals. The University has more than 75 laboratories and workshops, all well-equipped with the latest state-of-the-art apparatus and tools. Special emphasis is given to the development of communication skills through the language lab. More than 1200 computers are available for the students' use.

Establishment – Established in 2013, this University has been able to win the confidence of over 8000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Cameroon, Gambia, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Namibia, Nepal, Nigeria, Papua New Guinea, South Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe, etc., have chosen this University for their education and career.

Schools of Excellence – Currently, the University is serving the student community through various schools offering UG and PG programs, namely Arts & Humanities, Biotechnology, Commerce & Management, UX Design, Engineering, Fashion Design, Information Technology, Interior Design, Journalism & Mass Communication, Law, Library Science, Pharmacy, Science, Education and Yoga. It also has a centre for Doctoral Research Programmes in various fields.

ABOUT THE FACULTY OF SCIENCE

The faculty of science is well known for its excellence in teaching and research. The faculty members are engaged in state-of-the-art research as well as guiding the Ph.D. and M.Sc. Students. The faculty has made great strides by revising and updating its syllabus time and again. A thoroughly updated and revised syllabus has been implemented every year. The faculty has taken many initiatives for students to be exposed to writing projects and develop communication skills. Advanced-level optional courses are also offered here. The faculty has distinguished itself as a centre for innovation and a pioneer in a wide range of areas of science.



ABOUT THE CONFERENCE

The International Conference on Recent Advancements in Material Science and Mathematics (ICRAMSM 2025) aims to bridge the gap between two seemingly distinct fields - Material Science and Mathematics - by highlighting their interconnectedness and exploring the rich synergies that arise from their intersection. This conference provides a platform for researchers, academicians, and industry experts to exchange ideas, share advancements, and foster collaborations that drive innovation at the nexus of these disciplines.

IMPORTANT DATES:

Abstract Submission Deadline:

29th January 2025

Notification of Acceptance:

03rd February 2025

Conference Dates:

13th – 15th February 2025

Full-length paper submission:

10th February 2025



CONFERENCE TRACKS



Physics

1. Quantum Mechanics and its Applications in Material Science
2. Condensed Matter Physics: From Theory to Experiment
3. Statistical Physics Approaches to Complex Materials
4. Optoelectronic Materials and Devices: Physics and Engineering Perspectives
5. Quantum Materials and Topological Insulators: Theoretical and Experimental Insights
6. Soft Matter Physics: Modelling and Simulation
7. Plasma Physics in Material Synthesis and Processing
8. Magnetic Materials: Theory, Synthesis, and Characterization
9. Advanced Spectroscopic Techniques for Material Analysis
10. Biophysics: Bridging Physics and Biology in Materials Research

Chemistry

1. Computational Chemistry for Materials Discovery and Design
2. Organic and Inorganic Chemistry in Material Synthesis
3. Surface Chemistry and Catalysis for Advanced Materials
4. Polymer Chemistry: Design, Synthesis, and Applications
5. Green Chemistry Approaches to Sustainable Materials
6. Nanochemistry: Bottom-Up Approaches to Nanostructure Design
7. Supramolecular Chemistry and Self-Assembly in Materials Science
8. Electrochemistry for Energy Conversion and Storage
9. Analytical Chemistry Techniques for Material Characterization
10. Environmental Chemistry: Impact on Material Properties and Behaviour

Mathematics

1. Multiscale Modelling and Simulation in Material Science
2. Mathematical Approaches for Material Characterization and Analysis
3. Advanced Materials for Energy Applications: Modelling and Optimization
4. Mathematical Modelling of Material Properties and Behaviour
5. Computational Mathematics in Material Science: Algorithms and Applications
6. Nanomaterials and Nanotechnology: Mathematical Perspectives
7. Mathematical Methods for Materials Design and Engineering
8. Mathematical Optimization Techniques in Material Science
9. Mathematical Modelling of Biological and Biomimetic Materials
10. Data Analytics and Machine Learning in Material Science and Mathematics
11. Mathematical Aspects of Materials Manufacturing and Processing
12. Mathematics for Sustainable Materials and Green Technologies
13. Mathematical Challenges in Material Informatics and Big Data
14. Emerging Trends in Mathematical Physics and Material Science
15. Mathematical Modelling of Structural Materials and Mechanics

Other topics beyond the above listed are also welcome as sub-themes.

CALL FOR ABSTRACTS

The authors are required to submit an abstract original, unpublished paper not exceeding 250 words without figures and tables. The abstract should include:

- ▶ Title MS Word in Times New Roman (Size 14 Points) in single spacing.
- ▶ Authors name MS Word in Times New Roman (Size 12 Points).
- ▶ Affiliation: MS Word in Times New Roman (Size 12 Points).
- ▶ Abstract MS Word in Times New Roman (Size 12 Points) in single spacing.

The abstract should briefly include the purpose of the study, methods, results, and conclusions. At the bottom of the page, please indicate the category (thrust area). Abstracts can be submitted online via email to

scienceconference@kalingauniversity.ac.in

PUBLICATION

All the papers will be included in the conference proceedings with ISBN as E-Book . Selected papers will be published in the UGC / ABDC / Scopus indexed journals with applicable charges determined by the respective journals.



POSTER PRESENTATION

- ✔ On evaluation, the abstracts may be selected either for Oral or Poster presentation.
- ✔ The Organizers will confer Best Oral and Best Poster Awards based on the quality of presentations as would be adjudicated by the Panel of Experts.

The Poster size should be 48 inches × 60 inches

REGISTRATION FEE PAYMENT

Category	Fee (inclusive of taxes)
Faculty & Other Educators	INR 1500/-
Research Scholars	INR 1500/-
UG+PG Students	INR 1200/-
Industry Experts	INR 2500/-
International Participants	USD 50/-

After the Registration Dates, the Charges will be Applicable as below for

Each Category	INR 250/- additional
International Participants	USD 20/- additional

On the Spot Registration

Each Category	INR 500/- additional
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- ▶ 50% Concession to participants from Kalinga University and Colleges having MoU with Kalinga University, Naya Raipur.
- ▶ Accommodation will be provided at the Participants' request. (Charges Applicable).
- ▶ Registration Fees include a Conference Kit, High Tea, Lunch and Snacks for both days.



FEE PAYMENT

Step 1: Participants have to make payment on the given bank details:



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Bank Name: **ICICI Bank**

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A/c No.: **1744100100003476**

IFSC Code: **ICIC0003907**

SWIFT Code: **ICICINBBCTS**

Branch: **Rakhi, Naya Raipur,
Raipur, Chhattisgarh, India**

Step 2: Fill out the registration form with all the necessary information and add the screenshot of the payment details.

NOTE

- ✔ Transport Facility available from common pickup point (Free, while special pickup and drop facility may be provided on a chargeable basis).

HOW TO REACH

Railways: Raipur Junction railway station is situated on the Howrah-Nagpur-Mumbai line of the Indian Railways (via Bhusawal, Nagpur, Gondia, Bilaspur, Rourkela, Kharagpur) and is connected with most major cities.

Airport: Swami Vivekananda Airport is the primary airport serving the state of Chhattisgarh. The airport is located 15 km south of Raipur near Atal Nagar.

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Faculty of Science

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Title of the Paper: _____

Preferred Method of Presentation: [☐] Oral [☐] Poster [☐] Attendee

Accommodation Required: Yes / No Date of Accommodation: ____/____/ February 2025

No. of Days: _____

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NOTE: Registration fee should be paid in Kalinga University Faculty of Science.

Registration Link: <https://forms.gle/4behB6kd8aTJ3VXK6>



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