



**CSJMU
ICALS-2025**

International Conference on **Advances in Life Sciences (ICALS-2025)**

January 09 -11, 2025

Conference themes

- Renewable Energy
- Biomedical Sciences
- Plant Sciences
- Cancer Biology

Organized by
School of Life Sciences and Biotechnology
Chhatrapati Shahu Ji Maharaj University, Kanpur



About the University

The Chhatrapati Shahu Ji Maharaj University, Kanpur (Formerly Kanpur University, Kanpur) was established in the year 1966. Prior to the establishment of the University, affiliation of colleges in its vicinity were to the Agra University. In the year 1966, the state government established Kanpur University under the Kanpur and Meerut Universities Act 1965 with the motto "Aroh Tamso Jyoti" (Rise from darkness to light). In the preamble it is stated that Kanpur University will initially have an affiliating character but will gradually assume the shape of residential University. The University proudly celebrate its foundation day on February 9 every year.

About the Department

Under the academic and research development program, the Department of Life Sciences and Biotechnology was first established in the main residential campus of CSJM University, Kanpur in year 1983 to impart and promote multi- and interdisciplinary higher education in Life Sciences by utilizing the modern concepts of teaching and research at masters and doctoral level. The Department of Life Sciences and Biotechnology at the School of Life Sciences and Biotechnology is actively engaged in higher education, innovative teaching, cutting-edge research, and training in the Life Sciences, Biotechnology, Microbiology, Biochemistry, Food Technology, and other various interdisciplinary areas of Biological Sciences.

About the Conference

The International Conference on Advances in Life Sciences, organized by CSJMU Kanpur, aims to bring together researchers, educators, and professionals to discuss the latest developments in life sciences. The event features keynote speeches, panel discussions, and workshops that cover diverse topics such as biotechnology, environmental science, and health innovations. Participants have the opportunity to network and share their research findings, fostering collaboration across disciplines. This conference not only highlights cutting-edge research but also emphasizes the importance of interdisciplinary approaches in addressing global challenges. Overall, it serves as a vibrant platform for knowledge exchange and scientific advancement.



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Prof. Vinay Kumar Pathak
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Assistant Professor
Dr. Gaurav Kumar
Assistant Professor
Dr. Dipesh Kumar Verma
Assistant Professor

Organizing Committee

All Faculty Members of School of Life Science and Biotechnology
CSJM University. Kanpur

Important Dates:

- Conference Date: 9th -11th January, 2025
- Last date of Abstract Submission: 30th November, 2024
- Notification of Acceptance: 10th December, 2024
- Registration Deadline: 15th December, 2024

Type of Presentations:

Invited Lectures

Oral Presentations

Poster Presentations

International speakers and participants may connect online.

Abstract Submission:

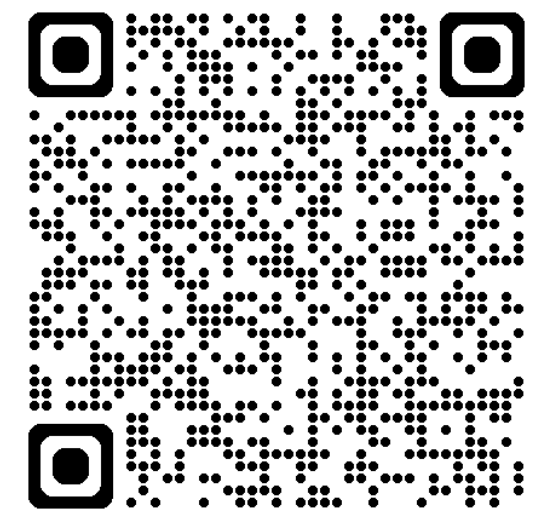
Structured abstract should be maximum 350 words with objectives, scope, results and discussion of the research. It should be typed in English on A4 paper with double space in MS Word doc with Times New Roman 12 font size, should contain name of author(s) along with e-mail address and affiliation.

Use the link or scanner for abstract submission:

<https://forms.gle/SQfspBLDwoCoLePDA>

Registration link will be e-mailed to all the accepted abstracts/participants

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Registration:

Participants	Up to 15 th December 2024	Late Registration 05 th Jan 2025
Student	Rs. 1500/-	Rs. 2500/-
Research Scholars	Rs. 1800/-	Rs. 2700/-
Faculty Members	Rs. 3000/-	Rs. 4000/-
Accompanying person	Rs. 1000/-	Rs. 1500/-

Selected abstracts will have an option to publish full length articles in a suitable Scopus Indexed Journal. These papers will be notified separately.

The Abstracts for oral/poster presentations and papers are invited on the following Key area of the conference:

Renewable Energy:

Theme: "Sustainable Innovations for a Greener Future"

Bioenergy and Biofuels: Bioethanol and biodiesel production, sustainable source of biofuel, Waste-to-energy conversion from biological materials

Biomass Energy Innovations: Lignocellulosic biomass conversion techniques, Microbial fuel cells for clean energy generation

Biological Carbon Sequestration: Efficiency for increased carbon capture, systems for biological carbon sequestration

Biomedical Sciences:

Theme: "Transforming Healthcare through Technology and Innovation"

Genomics and Precision Medicine: The role of genetic research in tailored treatments.

Neurobiology and Brain Function: Neurodegenerative Disorders, Neurotoxicology, Artificial Intelligence and Computational Neuroscience

Regenerative Medicine: Advances in stem cell therapy and tissue engineering.

Clinical Trials and Drug Development: Strategies for accelerating the development of new therapeutics.

Plant Sciences:

Theme: "Cultivating Resilience: Sustainable Agriculture and Biodiversity"

Crop Improvement and Genetic Engineering: Innovations in biotechnology for enhanced yields and resilience.

Sustainable Farming Practices: Techniques for reducing environmental impact and promoting biodiversity.

Plant-Microbe Interactions: Understanding symbiotic relationships for improved plant health.

Conservation and Restoration Ecology: Strategies for preserving threatened plant species and habitats.

Cancer Biology:

Theme: "Decoding Cancer: From Molecular Mechanisms to Therapeutic Strategies"

Cancer Genomics: Understanding genetic mutations and their role in cancer progression.

Targeted Therapies and Immunotherapy: Innovations in personalized cancer treatments and immuno-oncology.

Early Detection and Biomarkers: Advances in screening methods and biomarker discovery.

Cancer Prevention Strategies: Public health approaches to reduce cancer incidence and improve awareness.

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Chhatrapati Shahu Ji Maharaj University, Kanpur
(Formerly Kanpur University, Kanpur)
Kalyanpur, Kanpur-208024, India

For more information visit conference website:

[International Conference on Advances in Life Sciences |](https://csjmu.ac.in/)
[Chhatrapati Shahu Ji Maharaj University, Kanpur](https://csjmu.ac.in/)
[\(csjmu.ac.in\)](https://csjmu.ac.in/)

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