



**National Seminar
On
Molecular Biotechnology and Life
Science (MBLS-2025)**

16-17 April-2025

**Central University of Andhra Pradesh
Ananthapuramu, Andhra Pradesh,
India**



**Organized by
Department of Molecular Biology
Central University of Andhra Pradesh
Ananthapuramu, Andhra Pradesh, India.**

About the Seminar

Humanity has faced recurring challenges throughout history, such as hunger, energy shortages, food insecurity, diseases, scarcity of resources, and environmental pollution—issues that date back to prehistoric times. Despite significant advancements in technology that have greatly improved the quality of life, these problems continue to persist. Molecular Biotechnology, with its diverse applications and widespread use, holds an immense promise in addressing and resolving these longstanding global issues. Molecular Biotechnology involves harnessing biological processes for industrial, agriculture and other purposes, with a focus on genetically engineering microorganisms and crops to produce hormones, antibiotics, and various other substances. Many nations have already reaped significant advantages from Molecular Biotechnology in areas such as energy production, agriculture, biocatalysis, mining, and the development of innovative materials. Molecular Biotechnology offers the potential to greatly improve healthcare, enhance food security, increase access to clean drinking water, optimize industrial processes for converting raw materials, promote sustainable practices in afforestation and reforestation, and aid in the detoxification of harmful waste products. In this promising landscape, biotechnologies are being investigated as practical solutions to global challenges related to energy, environmental sustainability, agriculture, and public health. This seminar's main goal is to promote human welfare by having conversations about the potential and difficulties that biotechnologies provide to a variety of industries.

MBLS-2025 aims to unite a diverse group of individuals, including academics, industry leaders, young researchers, students, specialists, scientists, and policymakers. The primary objective of the seminar is to leverage biotechnologies to enhance human well-being. It will serve as a platform for research and the exchange of ideas, focusing on utilizing Molecular Biotechnological innovations to tackle global challenges.

The event includes plenary sessions, keynote speeches, and invited presentations by leading experts, focusing on critical and current topics to keep participants updated on the latest developments in microbial technologies. Furthermore, interactive paper and poster sessions will provide a platform for scientists and researchers to present and share their work and ideas. This seminar promises to be both an interesting scientific event and a fun experience, and we are confident that it will not only meet but exceed your expectations. We look forward to hearing from you favorably and, if relevant, the working title of your presentation. We sincerely appreciate your time and eagerly anticipate your participation.

Themes and Subthemes of the Seminar

Central University of Andhra Pradesh, Ananthapuramu, invites abstracts/papers that must be directly relevant to the following themes and sub-themes

Thematic Areas of the Seminar

Abstracts and original research papers are warmly welcomed on any facet of Molecular Plant Biotechnology, Pharma Biochemistry, Agriculture Biotechnology, Microbial Biotechnology, Medicinal Biotechnology, and Bioinformatics. The scope of this conference includes but is not limited to the following:

A. Agriculture and Plant Biotechnology

B. Environmental Biotechnology and Industrial Biotechnology

C. Medical and Animal Biotechnology

Objectives of the Seminar

1. Promote Knowledge Exchange: To provide a platform for sharing the latest research, discoveries, and breakthroughs in molecular biotechnology and life sciences.
2. Foster Collaboration: To encourage interdisciplinary collaborations among scientists, industry experts, and policymakers to address challenges and harness the potential of molecular biotechnology.
3. Discuss Future Directions: To explore future trends and innovations, including advancements in gene editing, personalized medicine, and biotechnological applications in agriculture and environmental management.
4. Address Ethical Considerations: To engage in discussions on the ethical, social, and regulatory implications of new technologies in biotechnology and life sciences.
5. Support Education and Networking: To offer learning opportunities for emerging scientists and young researchers, while facilitating networking for career development and academic partnerships.
6. Overall, the seminar aims to motivate and prepare young minds for environmental management.

Through these objectives, the **seminar** seeks to enhance the impact of Molecular Biotechnology on society and contribute to the sustainable development of the field.

This **seminar** is expected to serve as a transformative event, fostering scientific progress, collaboration, and the application of biotechnology to address global challenges. The outcomes will contribute to advancing the field and ensuring that its benefits are realized in a responsible and impactful manner.

Organizing Committee Members

Patron:

Prof. S.A. Kori, Hon'ble Vice Chancellor, Central University of Andhra Pradesh, Ananthapuramu

Co- Patron:

Prof.C.Sheela Reddy, Registrar and Dean In-charge, Central University of Andhra Pradesh, Ananthapuramu

Advisory Committee:

Prof. K.R.S.Sambhasiva Rao, Vice Chancellor of Mangalayatan University

Prof. G.Ram Reddy, Senior Professor, DSW, CUAP

Dr. Babu.G, Associate Professor, Associate Deen, R&D, CUAP

Dr. Y. Kesava Reddy, Associate Professor, IQAC Director, CUAP

Dr. G. Malathi, Programme Coordinator, Department of Management

Dr. Garikipati Gurajada, Programme Coordinator, Department of Telugu

Dr. Parimala G. Kamatar, Head I/C, Department of English

Dr. M.S.R. Anjaneyulu, Programme Coordinator, Department of Commerce

Dr. Chelli Kavya, Programme Coordinator, Department of Applied Psychology

Dr. C. Krishna Priya, Programme Coordinator, Department of Computer Science and AI

Dr. P. Sumalatha, Program Coordinator, Department of Computer Science and AI

Dr.Thota Siva , Program Coordinator, Department of Mathematics

Dr. Abhisek Pal, Program Coordinator, Department of Geography and Geoinformatics

Dr. Manohar Kumar. CVSS, Program Coordinator, Department of Space Science and Technology

Dr. I.V. Prasad, Program Coordinator, Department of Computational Science

Convener:

Dr. B. Jayanna Naik, Assistant Professor, Dept of Molecular Biology, Central University of Andhra Pradesh

Co-Convener:

Dr. C. Dhanunjya Kumar, Assistant Professor, Dept of Molecular Biology, Central University of Andhra Pradesh

Call for Abstract

Abstracts are invited to the themes and subthemes of the seminar for poster and oral presentation. The soft copy of the abstract in MS Word format (Times New Roman, Font Size 12, Spacing 1.5) must contain a suitable Title, a List of Authors, Affiliation/s, the Name of the Author/s should be underlined, and Contact Details of the Author/s including email/website.

The abstract should not be more than 300 words including 5-6 keywords with a major emphasis on the background of the problem, and that should be submitted to the Co-Convener at faculty24@cuap.ac.in, by April 2nd, 2025. The abstracts will be released in 'Souvenir and Abstract Book' on 16th April 2025 in the Inaugural Session of the Seminar. The participants may present their papers in the seminar by oral/poster whereas UG and PG students of basic sciences are encouraged to demonstrate their innovative ideas through flow charts or models.

Guidelines for Oral and Poster Presentation

Papers are invited for oral and poster presentations. Each oral presentation will be given for five – 10 minutes, with a maximum of fifteen (15) slides that must contain the following elements: an introduction, material and methods, results, conclusion, title, name, theme, and affiliation on the first slide. It is recommended that the oral presentation be converted to PDF format before the presentation/submission. The poster should be related to the topic and sub-themes of the **seminar**. Each poster presentation will be given 05 minutes, and the poster should be 3x4 feet with 16 font size, portrait style, and must contain the following elements: title, name, theme, and affiliation on the top and the introduction, material and methods, results, conclusion as the major portion. All the information including text, figures, graphs, and data must be in a single PPT poster slide and should be well visible from 1 meter of distance. Use page setup and select the above-given slide size in MS PowerPoint to make a poster presentation. Headings and subheadings in the poster must be bold and multiple fonts should be avoided. All the posters in PDF format must be submitted to the organizer with a declaration of original research work by the authors at faculty24@cuap.ac.in.

Important Dates

Registration and Abstract Submission Starts	:19-03-2025
Deadline of Abstract Submission	: 4-04-2025
Early Bird Registration End	: 4-04-2025
Deadline of Registration (with late fee 100/-)	:10-04-2025
Conference Dates	:16 & 17-04-2025

Note: The above dates are mandatory and strictly followed by the Organizing Committee members

Registration Fees

Faculties/Scientists	:500
Research Scholar / Postdocs	:400
UG and PG Students	:350
Industry/Corporate	:600

Payment Details

Name	:	The Registrar CUAP Recurring
Bank Name	:	Canara Bank
Branch	:	Sarada Nagar Branch
Account Type	:	Savings
Bank Account Number	:	8550101013486
IFSC Code	:	CNRB0008550

Accommodation and Transport

The participants should make their arrangements for their transportation. The Organizing Committee of the MBLs-2025 will arrange accommodation for students and research scholars in the University Hostel. Interested participants may email their requirements regarding the accommodation to faculty24@cuap.ac.in.

Registration Form

Name of the applicant/s (Block letters):

Organization / Institute Name :

Category: Student / Research scholar/ Postdoc/ Industry / Independent Scholar/ Others

Gender :

Address for communication :

Phone :

Email :

Specialization :

Registration fee details

1. Name :

2. A/C No :

3. IFSC Code :

Signature of the applicant

Contact Persons

Dr.B. Jayanna Naik (Convener)- 9160436128

Dr.C. Dhanunjaya Kumar (Co- Convener)-7981033522

Mr. S. Azmathulla -9581103223