

### Chief Guest & Keynote Speaker

**Prof. M. S. Reddy**

Founder & Chairman, Asian PGPR Society  
Consultant & Entrepreneur,  
Auburn University, Auburn, AL, USA

### Distinguished Guest

**Dr. Krishna Chaithanya Karri**

Associate Professor, Department of Chemistry  
College of Natural and Computational Sciences  
Axum University, Axum, Tigray, Ethiopia

### Invited Speakers

**Prof. Y.A.V.A.S.N.Maruthi**

Department of Biosciences & Biotechnology  
Krishna University, Machilipatnam

**Dr.J.Naveena Lavanya Latha**

Department of Biosciences & Biotechnology  
Krishna University, Machilipatnam

**Prof. S. Gajalakshmi**

Centre for Pollution Control & Environmental Engineering  
Pondicherry University, Pondicherry

**Dr. Kasiviswanadh Matte**

College of Pharmacy  
KL University, Vijayawada

**Dr. Jyostna Poldas**

Department of Plastic and Reconstructive Surgery  
Siddhartha Medical College & Government General Hospital,  
Vijayawada

**Dr.S.Suresh**

Department of Chemical Engineering  
Maulana Azad National Institute of Technology  
Madhya Pradesh

### Chief-Patron

**Dr. Sr. Leena Quadras**

Correspondent

### Patron

**Dr. Sr. Jasintha Quadras**

Principal

### Organising Committee

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**Annapureddy Keerthana (III Bsc. MBYC)**

**Biddiki Devi Alekya (III Bsc. MBYC)**

### Advisory Board

**Prof. Haseeb A. Khan**

Department of Biochemistry, College of Science  
King Saud University, Riyadh, Saudi Arabia

**Prof. Fr. Dr. L. Joji Reddy, S.J.**

Principal, Loyola Degree College, Kadapa

**Prof. Y.A.V.A.S.N.Maruthi**

Professor, Department of Biosciences & Biotechnology  
Krishna University

### Technical Support

**Mr. K. Prasad & Mr. Y. Vinod**

## MARIS STELLA COLLEGE (AUTONOMOUS)

Vijayawada- 520008, Andhra Pradesh, India

A College With Potential for Excellence

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### Two-Day International Conference on

**INNOVATIONS IN LIFE SCIENCE RESEARCH:  
HARNESSING TRANSFORMATIVE TECHNOLOGIES  
FOR A SUSTAINABLE FUTURE (LIFT- 2025)**



**11 & 12 March, 2025**

**Venue: Conference Hall, Maris Stella College**

**Organized By**

**The Department of Biotechnology**

*Click Here For Registration*

<https://forms.gle/AhZGBza1yiDiTjH4A>

### Important Dates

**Last Date for Registration:** 20 February, 2025

**Submission of Abstract:** On or before 15 February, 2025

**Confirmation of Acceptance:** 17 February, 2025

**Full-Length Paper Submission:** 20 February, 2025

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<https://chat.whatsapp.com/HxxFNIGrJz477cVrfmmEiF>

## About the College

Established on July 16, 1962, Maris Stella College, is a premier autonomous institution located near Benz Circle in Vijayawada, Andhra Pradesh. Managed by the Society of the Franciscan Missionaries of Mary, the college is committed to providing quality education for women, emphasizing holistic development and strong value systems. The key mission of the institution is to support students from socially and economically disadvantaged backgrounds, equipping them with the skills and confidence needed to navigate an evolving global landscape. Affiliated with Krishna University, Machilipatnam, Maris Stella College is recognized for its commitment to academic excellence and social responsibility. The college integrates employability and entrepreneurship into its curriculum through various skill-oriented programs, collaborating with industry and government initiatives to enhance vocational competencies. Additionally, a well-established 'Career Guidance and Placement Cell' and an active alumni network provide ample placement opportunities for students. Currently, the college is a recipient of U.S. State Department sponsored projects like Study of the United States Institutes (SUSI) for Student Leaders on Education, The English Access Micro-scholarship Program and Service-Learning Projects (The United Board, Asia). The college has been accredited by the National Assessment and Accreditation Council (NAAC) in four cycles. The UGC recognized the college as a 'College with Potential for Excellence' in 2006, 2011, and 2014 and was granted autonomous status in 2003. The college offers a diverse range of undergraduate and postgraduate programmes across multiple disciplines, including Arts, Sciences, Commerce and Business Administration. Maris Stella College is devoted to assisting students from the marginalized communities, giving them the strength and knowledge to overcome the hurdles of an increasingly dynamic and evolving world.



## About the Department of Biotechnology

Established in 2008, the Department of Biotechnology aims to provide students with a strong foundation in Biotechnology, integrating theory, design, and applications relevant to today's job market. Committed to academic excellence and scientific integrity, the department bridges technology and society by preparing students for successful careers and leadership roles in a rapidly advancing world. Emphasizing technology-enhanced learning, it fosters critical skills like leadership, teamwork, and communication. The department strives to produce skilled Biotechnologists who drive innovation in agriculture, industry, healthcare, and environmental restoration while promoting awareness of Biotechnology's potential and addressing its socio-ethical implications.

## About the Conference

The conference will focus on recent advancements in life science research, driven by technologies such as CRISPR Gene Editing, Synthetic Biology, Artificial Intelligence, and Big Data Analytics. These innovations are expanding our understanding of biological systems and offer solutions to global challenges like human health, food security, and climate change. The event will gather researchers, industry experts, policymakers, and students to explore how these transformative technologies can reshape healthcare, agriculture, and ecosystems to create a sustainable future.

## Objectives

- ★ To highlight transformative technologies that redefine research methodology in shaping the future of life sciences
- ★ To create a platform for networking among researchers, industry professionals and policymakers in developing sustainable solutions.
- ★ To explore the role of life sciences in contributing to sustainable practices in health care, agriculture and environmental conservation.

## Expected Outcomes

- ★ Increased awareness of the innovations in life science technologies and their applications.
- ★ Identify key challenges and opportunities in harnessing transformative technologies for sustainability.
- ★ Develop actionable strategies for integrating new technologies in research and career trajectories.

## Call for Papers

We invite under graduate and post graduate students, research scholars and faculty from Life Sciences (Agriculture, Biochemistry, Biotechnology, Botany, Food Sciences, Forensic Science, Microbiology, Zoology) and other allied disciplines to submit abstracts/full-length papers in the following thrust areas:

- ★ AI in Forensic Analysis and Digital Health Innovations
- ★ Biomanufacturing and Microbiome Research
- ★ Drug Discovery, Design and Delivery
- ★ Gene Editing in Precision Medicine
- ★ Smart Farming and Conservation Genomics
- ★ Sustainable Biomaterials in Regenerative medicine
- ★ Synthetic Biology and Targeted Therapies

However, innovative research ideas from other areas of study are also encouraged.

## Instructions for Submission

- Participants may find the instructions of formatting in the file by clicking the link provided below: <https://bit.ly/4hqK8BK>
- All abstracts / full-length papers may be sent as a word doc to the email id: [liftmsc2025@gmail.com](mailto:liftmsc2025@gmail.com)
- The file should be named as "last name.first name-MSCLIFT2025" (Ex: Smith.Jane-MSCLIFT2025.docx).
- The contributed papers must be original and should not have been submitted/accepted/published in any other journal/conference proceedings. Each manuscript will undergo a peer review process (including plagiarism check).
- The abstracts will be published with an ISBN and released on the first day of the conference.

All the full-length papers will be blind reviewed by the peer review committee with respect to their quality, originality and relevance. The authors may have to revise the manuscript, if needed as per the requirement of publisher. The accepted papers will be published in UGC CARE/SCOPUS indexed journal. Article Processing Charges are to be paid by the authors upon acceptance of the article.

### Registration Fees

Students: Rs.300  
Research Scholars: Rs.400  
Faculty: Rs. 500  
Industry Personnel: Rs. 1000  
International Participants: 20 USD  
Spot Registrations are available

### Payment Details

Account details: 2985101002597  
Account Name: Maris Stella College  
Bank: Canara Bank  
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Branch: Bharathi Nagar

