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ventures Pvt Ltd., Hyderabad, Telangana

### Convener

Dr. B. Eswari, Assistant Professor, Department of Biological and  
Chemical Sciences, SOLAS, MBU

### Co-Conveners

- Dr. M.M. Kesavulu, Associate Professor, Department of  
Biological and Chemical Sciences, SOLAS, MBU
- Dr. Shaik Ibrahim Khaivulla, Associate Professor,  
Department of Biological and Chemical Sciences,  
SOLAS, MBU

### Co-ordinators

B. Raghava Tej, DBCS, SOLAS, MBU  
S. Nandhi Vardhana, DBCS, SOLAS, MBU

### Publication of Conference Proceedings

All accepted and presented papers shall be published and Indexed in  
the proceedings with WOS (SCIE) publication. Based on the authors  
request, full length papers will be recommended for publication in  
Scopus Indexed Journals (Article Processing Charges as applicable)..

Recommended Journals include

1. Journal of Polymer and Composites
2. Journal Européen des Systèmes Automatisés
3. Engineering Research Express

### REGISTRATION:

Category	Registration Fee
<b>Research Paper Presentation:</b>	
For Participation	Rs.1000/-
Oral Presentation + WOS Publication (Physical)	Rs.16000/-
Oral Presentation + WOS Publication (Virtual)	Rs.15500/-
Oral Presentation with ISSN (Physical)	Rs. 6000/-
Oral Presentation with ISSN (Virtual)	Rs. 5500/-

### BANK DETAILS:

- Account Number: 154012010000884
- IFSC: UBIN0815403
- Bank Name: Union Bank of India
- Branch: SVEC, A. Rangampet

### Important Dates

Submission of Manuscripts: 15<sup>th</sup> June 2025  
Acceptance Notification: 18<sup>th</sup> June 2025

Start of Registration: 13<sup>th</sup> May 2025

Conference Date: 26<sup>th</sup> June 2025

### Registration Link :

<https://forms.gle/qCuwW92YVAhLJiSw9>



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National Conference On Next- Gen Materials:

# POLYMERS AND COMPOSITE FOR HEALTH AND ENVIRONMENT (NCPCHE - 2025) (HYBRID Mode)

26<sup>th</sup> June 2025



Organized by

Department of Biological  
& Chemical Sciences,  
School of Liberal arts  
and Science

**MOHAN BABU UNIVERSITY**

Sree Sainath Nagar, Tirupati, Andhra Pradesh 517102

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[www.mbu.asia](http://www.mbu.asia)

Website: <https://www.ncpcche2025.com>

## About the University:

Mohan Babu University is a State Private University promoted by Sree Vidyanikethan Educational Trust under the leadership of Dr. M. Mohan Babu, Ex Rajyasabha Member, Producer, Cine Artiste and a great Philanthropist.

The University is located in Tirupati District, Andhra Pradesh, India. Mohan Babu University promotes excellence in all the frontiers of Engineering, Pharmacy, Liberal Arts & Sciences, Agriculture, Education, Journalism, Management, Performing and Arts, MB Film Academy, Paramedical and Health Sciences.

MBU's advanced curriculum, expert mentorship, best-in-class facilities with a safe 5-star rated campus, and 65+ clubs are poised to help students innovate, learn and lead the next, today. In a constantly changing world, only talent that is future-ready can take the baton ahead. Therefore, MBU focuses on delivering a unique blend of academic brilliance, discipline and dynamism. Groomed in such an inspiring culture, a community of thousands of students is preparing for a future of success. We are pleased to see them soar high with rewarding opportunities in companies like Google and Amazon this academic year. We are confident that each one of our students is nurtured and well supported to make a difference in a unique way.

Formerly known as Sree Vidyanikethan Degree College, the University is known for its quality initiatives which are amply reflected in accreditations by National Board of Accreditation (NBA) for UG & PG programmes. The college participated in National Institution Ranking Framework (NIRF) 2025 and 150-300 band in NIRF- Innovation 2023. The college is one among the 49 selected institutions across India and received 22,20,000/- Rs from DST for the outreach programme on "CREATING AWARENESS ON BASIC SCIENCE THROUGH SCIENCE FAIR AMONG SCHOOL STUDENTS IN RURAL AND SEMI-URBAN AREAS IN CHITTOR DISTRICT".

A student-centric pedagogy, project-based approach and design-driven curriculum provide students with an inclination for complex problem solving, design, innovation, and a passion for learning. The focus on innovation and entrepreneurship gives students an edge, allowing them to create inventions, start businesses, and design solutions to global problems - all before graduation. Integral to this success story is the faculty's dedication to teaching,

scholarship program for the needy, support of alumni, industrial advisory boards, and employers; and the state-of-the-art facilities, which provide students with a solid foundation for achievement.

## Location:

The Institution is located 16 KM from the temple town of Tirupati on Tirupati - Madanapalle National Highway 205.

## About the School of Liberal arts & Science

The School of Liberal arts and Science is a leader in real-world computing breakthroughs that drive social and scientific progress. With our unconventional approach to education along with cutting-edge, cross-disciplinary research, we are expanding the boundaries of research.

The School of Computing is a stimulating environment for research, particularly in the areas of Biotechnology, Microbiology, Molecular Biology, Bio-informatics and Life sciences. Our vision is to lead the advancement of Biological research and education that has real-world impact and to push the frontiers of innovation in the field.

The school now offers BSc., Biotechnology, BSc., Microbiology, BSc., Bio-informatics, BSc., Forensic Science and Computer Science. With 02 PG and Research Programs.

## About the Department

The Department of Biological and Chemical sciences offers a three year Bachelor program in BSc., Biotechnology, BSc., Microbiology, BSc., Bio-informatics, BSc., Forensic Science and PG programs in Biotechnology and Organic Chemistry. The program emphasizes acquiring knowledge and contemporary skills on Biology and developing Research outputs through experiential learning relevant to the domain of Basic, Applied and Life sciences.

The program focuses on a student-centric learning approach through classroom study, industry-based internships, and project-work in core and advanced courses. The courses offered in the program include the core subjects of Life Sciences and specialized courses like Computer science, Forensic science and other courses in cutting-edge technologies.

## About the Conference

The National Conference on "Next-Gen Materials: Polymers and Composites for Health and Environment" focuses on innovative materials designed to address modern challenges in healthcare and environmental

sustainability. It brings together researchers, industry professionals, and academics to discuss advances in biodegradable polymers, smart composites, and eco-friendly materials. Topics include drug delivery systems, medical implants, waste-reducing packaging, and sustainable alternatives to traditional plastics. The conference encourages interdisciplinary collaboration, aiming to accelerate the development of materials that are not only high-performing but also environmentally responsible. It serves as a platform for sharing breakthroughs, exploring new applications, and shaping future materials science.

This conference also provides a platform to showcase research on biodegradable polymers, recyclable composites, and advanced materials for medical applications such as drug delivery systems, tissue engineering, and biosensors. Discussions will also cover topics like eco-friendly packaging, water purification materials, and energy-efficient systems. By fostering interdisciplinary collaboration, the event encourages the exchange of ideas and promotes the development of materials that are both functionally superior and environmentally responsible.

Participants will benefit from keynote lectures, technical sessions, and poster presentations, creating opportunities for networking and future collaborations. The conference aims to inspire the next generation of scientists and engineers to contribute towards a healthier planet and improved quality of life through material innovation.

## Scope of the Conference

National conference (NCPCHE 2025) encompasses a wide range of interdisciplinary research and innovation focused on the design, synthesis, characterization, and application of advanced polymers and composite materials. These materials play a critical role in addressing challenges related to public health, environmental sustainability, and industrial development.

The conference encourages collaboration between academia, research institutions, and industry to accelerate the translation of laboratory research into practical, real-world solutions. It aims to provide a platform for knowledge exchange, foster innovation, and support the development of materials that align with sustainable development goals (SDGs), promoting both human health and environmental well-being.