

CHIEF PATRON

Prof. P.V.G.D. Prasad Reddy
Vice-Chancellor, Andhra University

PATRONS

Prof. M. James Stephen
Registrar, Andhra University

Prof. K. Srinivasa Rao
Principal, AUCST, Andhra University

CONVENER & ORGANIZING SECRETARY

Prof. P. Radhika
Department of Biochemistry, Andhra University

KEYNOTE SPEAKER

Dr. Chittaranjan Patra
Senior Principal Scientist
Indian Institute of Chemical Technology-
CSIR, Hyderabad, Telangana, India

INVITED SPEAKERS

Dr. V. Subrahmanyam
CEO, ReaGene Biosciences Pvt Ltd
Bengaluru, Karnataka, India.

Dr. K. Susheela (TBC) / Prof. P. Radhika
CEO, Biovalley, AMTZ, Visakhapatnam /
Department of Biochemistry,
Andhra University, Visakhapatnam

Prof. H. Purushottam
DPIIT- IPR Chair Professor,
Andhra University, Visakhapatnam

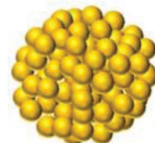
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Research Scholars and PG Students

TRENDS IN EMERGING NANOBIOTECHNOLOGY: CURRENT APPLICATIONS AND FUTURE PROSPECTS

(TENB-2024)



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ANDHRA UNIVERSITY

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NATIONAL SEMINAR

ON

TRENDS IN EMERGING NANOBIOTECHNOLOGY: CURRENT APPLICATIONS AND FUTURE PROSPECTS

(TENB-2024)

15th JULY, 2024



Organized by

DEPARTMENT OF BIOCHEMISTRY

ANDHRA UNIVERSITY

VISAKHAPATNAM-530003

ANDHRA PRADESH, INDIA

<http://www.andhrauniversity.edu.in>

Venue

TLN Sabha Hall

Andhra University South Campus

Andhra University

ANDHRA UNIVERSITY

Andhra University, established in 1926 by the Madras Act of 1926, is one of the oldest universities in India and a pioneer among state Universities in Andhra Pradesh. Sir C.R. Reddy, served as its first Vice-Chancellor. Presently, Prof. P.V.G.D.Prasad Reddy holds the position of Vice-Chancellor. The 98-years old University is known for its quality education throughout the world with a vision of building up global competencies among the students by providing infrastructural resources and creating new frontiers of knowledge in quest for the development of a humane and just society. The University has a sprawling campus of 800 acres offering over 300 courses in Arts, Commerce, Management, Law, Education, Science and Technology, Pharmacy, and Engineering with an intake of more than 20,000 students pursuing higher education on the campus and more than 2500 students pursuing research leading to Ph.D. degrees in various disciplines. The faculty of the University is involved in both teaching and research and has obtained research projects from national and international funding agencies of India and abroad. Andhra University has been accredited "A++" grade with a score of 3.74/4.0 CGPA by NAAC and was granted Category-I Higher Educational Institutions (HEIS) by UGC, India.

COLLEGE OF SCIENCE & TECHNOLOGY

The AU College of Science & Technology was started in the year 1931 as the combined Colleges of Arts, Science, and Technology, and it was bifurcated in the year 1966 with Prof. R. Ramanadham as its first principal. The college has 20 departments covering the disciplines of Physical Sciences, Chemical Sciences, etc. There are also research and training centres located in the college. The Centre for Marine Archaeology, Centre for Nuclear Techniques, Delta Studies Institute, the University Science Instrumentation Centre, and Ocean Science and Technology Cell are a few research and training centres located in the college. Other centres within some departments include the Centre for Piezoelectric Studies in the Physics department, the Centre for Water Resource Management, and the Mahadevan International Centre for Water Resource and Management.

BIOCHEMISTRY

The Department of Biochemistry is one of the premier departments of AUCST, established in the year 1971 with Prof. B. Naganna as the founder Head of the Department. The department offers a two-year M.Sc. course and a Ph.D. full-time/part-time in Biochemistry. During the past five decades, the department has witnessed an unparalleled transformation in teaching and research to meet the present-day requirements with the ongoing scientific advancements in Biochemistry. The department is funded by DST-FIST (Level 1), UGC NON-SAP, UGC-SAP (DRS-I), and individual faculty also received several research projects from national bodies like UGC, CSIR, DST, DBT, and ICMR.

The major research activities in the department include bioprospecting of bioactive compounds, plant secondary metabolite production and therapeutic potential, immunology, nanobiotechnology, etc. The department also extends its research facilities and services to other life sciences departments in the university, affiliated colleges, research centres, government/private hospitals, and medical colleges around Visakhapatnam. Faculty and research scholars of the department have published several research articles in Scopus-indexed national and international scientific journals.

NANOBIOTECHNOLOGY

Nanobiotechnology is a rapidly evolving field with the potential to revolutionize various disciplines and improve the quality of life. It combines principles from biology, with nanoscience and nanotechnology to develop innovative solutions for various applications in biology and medicine, material science, energy, and environmental sustainability.

The seminar will bring thematic views on Bio-inspired materials, spectroscopic techniques, nano devices such as biosensors, magnetic and electronic structure of nanoparticles. As the technology advances, further it will be discussed to consider ethical and safety aspects while continuing to explore new applications and innovations in this exciting field.

This seminar is open for Faculty, Post-doctoral researchers, Research Scholars, and PG students of Life Sciences, Physics, Chemistry, Chemical Engineering, Pharmaceutical Sciences, and other allied science departments of the University and its affiliated colleges as well as Biotech industries.

REGISTRATION

All participants should register in the below link

<https://forms.gle/gKCb5KZP9RLq9Gj8>

UPI ID: nanobiotechnology@sbi



SCAN TO
REGISTER

Spot registration is also available at the venue. An email communication along with the schedule will be sent to the participants.

CALL FOR ABSTRACTS

The organizing committee invites contributed research papers to be presented as posters only.

The abstract of the research paper for poster presentation should be submitted by email to tenb_2024@andhrauniversity.edu.in on or before 25-6-2024. The acceptance of the abstract of the research paper and format of the poster will be communicated to the participants on or before **30-06-2024** by e-mail.

FORMAT FOR ABSTRACT:

Title (Times New Roman, 14pt, bold, centre text)

Authors (Times New Roman, 12pt, centre text)

Affiliations (Times New Roman, 12pt, justified text)

Text (Times New Roman, 12pt, justified, 150-200 words)

Reference style: 1. Tuskin, J.; Samuel, B.A.; Renett, R. *Resonance*. **1965**, 31; 50-70.

Note: Please restrict your abstract within one page of A₄ size with 1" margins on all sides.