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Dr. N. Jalaja, Associate Professor

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Co-Conveners

Prof. D. John Babu, BT, VFSTR

Dr. M. Indira, Associate Professor, BT, VFSTR

Organizing Committee

All Faculty, Scholars & Supporting Staff

Scan for
payments



986683299m2@pnb

Scan for
Registration



Department of Biotechnology

Vision

To be a centre of excellence in Biotechnology by promoting high-quality education, cutting-edge research for producing globally competent, ethical and entrepreneurial professionals contributing to sustainable development.

Mission

- To design and deliver an outcome-based curriculum aligned with industry requirements and Sustainable Development Goals (SDGs) in Biotechnology.
- To establish state-of-the-art laboratory facilities and research ecosystem that drives bio-innovations, interdisciplinary collaboration and entrepreneurship.
- To produce globally competent, ethical and socially responsible professionals through extracurricular enrichment and industry interaction enabling leadership and lifelong learning.

INSTRUCTIONS FOR PARTICIPANTS

Presentation will be held at VFSTR Campus. Best oral and Poster Presenters will be Awarded for Students, Scholars, (below 30 years), Young Scientists (below 35 years), and Senior Scientists (above 35 years) Selected abstracts would be Published in VFSTR Souvenir.

Registration (without Accommodation) and abstract submission	Faculty / Scholars	Students
Registration (5 th October to 22 nd October 2026)	Rs. 300/-	Rs. 100/-

Organizing in association with

sustaina Greens LLP
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STANDARDS
ASSOCIATION

Contact us

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Two days

National Conference on Biotechnology for Sustainable Development

Biodiversity, Circular Bioeconomy, Health and Renewable Energy Nexus

Dates : 29th October to 30th October 2026

Venue : Sarigama Seminar Hall, N Block



Workshop:

Hands on Training
on
Cultivation of
Spirulina
for Entrepreneurship towards
Circular Bioeconomy



Workshop : 30.10.2026, Time - 9:00 AM to 12:00 PM



Organized by
Department of Biotechnology

School of
Biotechnology &
Pharmaceutical Sciences

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About Vignan's Foundation for Science, Technology & Research (VFSTR)

Established in 2009, the University is accredited with an "A+" grade by NAAC. VFSTR places the highest priority on academic excellence coupled with a strong sense of social responsibility. This vision has been realized under the dynamic leadership of the Honorable Chairman, Dr. Lavu Rathaiah. The University is guided by core values and ethics and is supported by a committed team of professionals. With a strong emphasis on innovation, research, skill development, and entrepreneurship, the University has entered a progressive phase, undertaking greater responsibilities in imparting technical skills in alignment with the Honorable Prime Minister's vision of "Skill India," "Make in India," and "Digital India."

School of Biotechnology & Pharmaceutical Sciences

The School of Biotechnology & Pharmaceutical Sciences at VFSTR was established with the objective of fostering strong interdepartmental collaboration and academic synergy across life sciences, engineering, and pharmaceutical disciplines. The School serves as a multidisciplinary platform that integrates teaching, research, and innovation to address contemporary challenges in health, agriculture, food security, and biotechnology-driven industries. Through its holistic and collaborative approach, the School of Biotechnology & Pharmaceutical Sciences plays a pivotal role in nurturing competent professionals, advancing cutting-edge research, and contributing meaningfully to national priorities in healthcare, agriculture, food technology, and biotechnology.

Department of Biotechnology and Bioinformatics

The Department of Biotechnology is accredited by ABET (Accreditation Board for Engineering and Technology) and the National Board of Accreditation (NBA), demonstrating its strong commitment to quality education, academic rigor, and research excellence. The Department focuses on bioinnovations addressing critical challenges in health, environmental sustainability, and agriculture, in alignment with the United Nations Sustainable Development Goals (UN SDGs).

The Department aspires to achieve global excellence in research and innovation related to health, agriculture, and environmental sciences. Its key thrust areas include nanozymes, probiotics, environmental and medical biotechnology, plant and industrial biotechnology, next-generation sequencing (NGS) data analysis, and the application of artificial intelligence and machine learning in drug design and discovery, all directed toward promoting sustainable development. The Department has a strong track record of externally funded research, having successfully completed 11 projects supported by national funding agencies such as the Department of Science and Technology (DST). At present, faculty members are executing six ongoing research projects with a total outlay of ₹739 lakhs, funded by premier Government agencies including ICMR, CSIR, and DST. In addition, the Department is actively involved in three consultancy projects worth ₹7 lakhs, all of which are being carried out with close and meaningful involvement of students, thereby enhancing experiential learning and research capacity.

National Conference – Biotechnology for Sustainable Development – 2026

The National Conference on "Biotechnology for Sustainable Development: Biodiversity, Circular Bioeconomy, Biohealth and Renewable Energy Nexus" provides a multidisciplinary platform for academicians, researchers, scientists, industry professionals, policymakers, and students to exchange knowledge and explore emerging advances in biotechnology and sustainable development. The conference focuses on the interconnected areas of biodiversity conservation, circular bioeconomy, biohealth, renewable energy, environmental sustainability, and technological innovation.

Special emphasis will be given to AI/ML-enabled ecological assessment, GIS-based renewable-energy planning, biodiversity-sensitive development, bioenergy and biorefinery technologies, biohydrogen, biogas, biosensors, environmental toxicology, and One Health approaches. The scientific programme will feature plenary and invited lectures, oral and poster presentations, young-scientist competitions, and a field-based technical visit, encouraging knowledge exchange and practical learning.

The conference aims to strengthen national research networks and foster collaboration among academia, industry, government, and research institutions while promoting innovative biotechnology-based solutions for climate resilience, energy security, resource recovery, biodiversity conservation, and public health. The event aligns with the United Nations Sustainable Development Goals (SDGs) and India's priorities in renewable energy, circular economy, biodiversity, and environmental sustainability.

The offline National Conference, hosted by VFSTR, welcomes researchers, academicians, scientists, industry experts, and students from across India to participate and contribute to this interdisciplinary scientific forum.

Themes of the Conference

1	Renewable Energy, Biodiversity and Biotechnology Nexus
2	AI and GIS for Ecological Intelligence
3	Circular Bioeconomy and Bioenergy
4	Biohealth and Environmental Health
5	ESG and Responsible Renewable Energy
6	Policy, Governance and Stakeholder Engagement

INVITED SPEAKERS

Program Chair



Prof. Dr Appa Rao Podile

Emeritus Professor, Department of Plant Sciences, University of Hyderabad, India.



Dr. Onkar Nath Tiwari

Principal Scientist, DST: Task Force Member, CCUBGA, Division of Microbiology, ICAR- IARI, New Delhi

Keynote Speakers



Dr. S. Venkata Mohan

Director, CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur, India.



Prof. Raghu Gogada

Dpt. of Biological Sciences, NIPER, Hyd, TS, India. Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India.



Dr. HVC. Chary Guntupalli

Scientist E, LIFE CELL, Ministry of Environment Forest & Climate Change, Government of India

Speakers



Srikanth Chandrasekaran

Country Head & Senior Director IEEE India



Dr. Meenakshi Singh

Founder & CEO, Sustaina Greens LLP Keynote Expert-Ecology & Biodiversity



Mr. Akshay Pandirkar

Corporate Biodiversity Manager TCS



Ms. Pratiksha Chalke

Lead- GIS & Remote Sensing Sustaina Greens



Mr. Sumanto Kar

Assistant Project Manager, FOSSEE IIT Bombay



Ms. Smita Patil

ESMS Officer Tata Group