



# ST. PIOUS X DEGREE & PG COLLEGE FOR WOMEN

Autonomous College, Affiliated to Osmania University

Re-accredited with A+ Grade by NAAC

Snehapuri Colony, Nacharam, Hyderabad-500076, Telangana

## 2- Day International Conference

on

## “Global Sustainability through Life Sciences: Green Energy, Climate Resilience & SDG Integration” (Hybrid mode)

17-02-2026 to 18-02-2026

In Collaboration with

**Dallas Baptist University, Dallas**

Texas, United States



&

**Progressive Biochar Society (PBS)**

Hyderabad, Telangana



### Our Knowledge Partners



**SUSTAINABLE DEVELOPMENT GOALS**



Organized by

**Department of Life Sciences**

### **About St. Pious X Degree & PG College for Women (Autonomous):**

St. Pious X Degree & PG College for Women (Autonomous) is a premier Catholic Minority Institution established in 1993 and administered by the Society of Catechist Sisters of St. Ann, Hyderabad, under Article 30(1) of the Constitution of India. The college is affiliated to Osmania University and recognized by the University Grants Commission (UGC) under Sections 2(f) and 12(B). The institution is renowned for its academic excellence, having secured 53 Gold Medals and 94 University Ranks at Osmania University. It was accredited with an 'A' Grade (CGPA 3.16) by NAAC in Cycle I and re-accredited with an 'A+' Grade (CGPA 3.38) in Cycle II. College is conferred with Autonomous status by UGC on 31 May 2023.

The college caters to over 2,500 students and is supported by 97 highly qualified and experienced faculty members. The institution offers a vibrant learning environment with state-of-the-art infrastructure, including 38 laboratories, three well-stocked libraries, digital classrooms, auditoriums, conference halls, communication laboratories, and extensive sports facilities. The college offers 22 UG programmes and 6 PG programmes, designed in alignment with Outcome-Based Education principles. In addition to its core academic programs, the institution provides 20+ career-oriented Add-on Certificate Courses to enhance student employability.

Strengthening its commitment to career readiness, the St. Pious Placement Cell, established in 2005–06, plays a pivotal role in bridging academia and industry by providing structured training and facilitating placement opportunities with leading organizations, ensuring students are well-prepared for professional success. Complementing this initiative, the Pious Upskilling Hub (PUSH) functions as a dynamic skill development center focused on imparting industry-relevant competencies, fostering entrepreneurship, and promoting lifelong learning. With a mission to skill 10,000 youth by 2035, PUSH contributes significantly to building a skilled and self-reliant workforce.

### **About Department of Life Sciences (Biochemistry, Biotechnology, Botany, Chemistry, Clinical Nutrition & Dietetics, Genetics, Microbiology, Zoology):**

The Life Sciences Departments at our institution encompass a diverse array of disciplines, each fostering academic excellence, research innovation, and holistic student development. Established over several decades, these departments - Biochemistry, Biotechnology, Botany, Chemistry, Clinical Nutrition & Dietetics, Genetics, Microbiology, Zoology are dedicated to advancing knowledge in their respective fields. From undergraduate to postgraduate programs, students are equipped with a robust foundation in core scientific principles, complemented by hands-on training in state-of-the-art laboratories. The departments actively encourage research across a range of domains, including medical microbiology, environmental sustainability, biochemistry, nutrition, biotechnology, and more. Collaborative projects, national and international seminars, and workshops create a dynamic environment for students to interact with experts and gain exposure to the latest scientific advancements. The faculty, comprising experienced and passionate educators mentor students in exploring interdisciplinary approaches with a special focus on environmental consciousness, sustainability, and public health. Together, these departments form a vibrant academic ecosystem that not only aims to excel in education but also to contribute meaningfully to the scientific community and society at large.

### **About Dallas Baptist University, Dallas, Texas, United States:**

Founded in 1898, Dallas Baptist University (DBU) is a nationally ranked, accredited, comprehensive, global University located in the beautiful and fast-growing city of Dallas, TX, USA. DBU sits atop 368 acres on the hills of Southwest Dallas overlooking Mountain Creek Lake, and embraces the legacy of more than 100 years of quality academics and vibrant University life.

DBU is dedicated to developing servant leaders who will transform the world. We have been recognized as a College of Distinction and as one of the most beautiful and safest campuses in Texas. DBU has world-class educational programs that will prepare you to succeed in your career around the globe. We offer a variety of educational opportunities for individuals of all ages and academic backgrounds including degree programs at the undergraduate, master's, and doctoral levels.

Dallas Baptist University offers over 75 Undergraduate courses, over 30 Master's courses and 2 Doctoral Degree Programs. There are 129 full-time faculty members of which 83.7% hold a doctorate or terminal degree. The student faculty ratio is 16:1. DBU has over 600 International students from 60 countries with nearly 200 international students currently from India. International students are a top priority at DBU; with a large International Centre and a staff dedicated to meet the individual needs of every international student and to prepare them for the future.

### About Progressive Biochar Society (PBS):

The Progressive Biochar Society (PBS), headquartered in Hyderabad, India, is a non-profit, member-driven organization comprising experts, practitioners, and institutions engaged across the biochar value chain. The Society envisions biochar as a vital tool for climate change mitigation, environmental restoration, and socio-economic empowerment, aligned with India's and the global Sustainable Development Goals (SDGs). Its mission focuses on promoting research, innovation, and scientific validation; building awareness and capacity through farmer outreach and training; advocating biochar-friendly policies at state, national, and international levels; enabling farmer access to carbon credits and emerging biochar markets; and supporting the commercialization of biochar-based products for agriculture, construction, energy, and environmental applications.

### About the Seminar:

This seminar is designed to highlight the vital role of Life Sciences in addressing global sustainability challenges through scientific innovation, climate resilience strategies, and the integration of SDGs. By bringing together educators, researchers, and sustainability practitioners, the seminar aims to create a multidisciplinary platform that links life science education with global environmental priorities. It emphasizes the transformative potential of biological sciences in driving green energy solutions, promoting ecosystem resilience, and developing scientific literacy that supports sustainable decision-making. Through knowledge sharing, practical demonstrations, and collaborative discussions, the seminar seeks to empower participants to translate life science concepts into meaningful climate action and community-centered sustainability initiatives.

### Objectives:

1. To enhance understanding among faculty and researchers on the role of Life Sciences in advancing global sustainability and climate resilience.
2. To explore innovative green energy solutions and biological approaches that contribute to low-carbon and climate-resilient systems.
3. To integrate SDG-focused concepts especially SDGs - SDG 2- Zero Hunger, SDG 3- Good Health and Well-being, SDG 7- Affordable and Clean Energy, SDG 12- Responsible Consumption and Production, SDG 13- Climate Action, SDG 14- Life Below Water, and SDG 15- Life on Land into life science curricula and classroom practices.
4. To equip educators with multidisciplinary pedagogical tools that connects scientific concepts to real-world sustainability challenges.
5. To foster collaborative research and academic networking for developing nature-based, technology-driven, and community-centric sustainability models.
6. To inspire institutional and departmental initiatives aimed at building climate-aware, environmentally responsible, and SDG-aligned campuses.

### Themes:

1. **Life Sciences for a Sustainable Planet:** Biological insights on climate change, biodiversity loss, and ecological imbalance.
2. **Green Energy & Bio-innovations:** Biofuels, microbial energy systems, and renewable energy solutions emerging from life science research.
3. **Climate Resilience Through Biology:** Ecosystem restoration, climate-smart agriculture, and nature-based solutions.
4. **SDG Integration in Life Science Education:** Strategies for embedding sustainability competencies across UG and PG programs.
5. **Research for Sustainability:** Interdisciplinary research models connecting microbiology, botany, zoology, nutrition, biotechnology, chemistry, and biochemistry to global challenges.
6. **Institutional Leadership:** Best practices for building green campuses, reducing carbon footprints, and promoting sustainability culture.

### Target Participants:

- Faculty Members / Scientists / Clinicians / Veterinarians / Research Fellows and Scholars / Working Professionals from Industry / Green Entrepreneurs and Sustainability Advocates / Individuals engaged in sustainable technologies / Clean Energy / Climate-Resilient Innovations.
- Graduate Students / Postgraduate Students from Life Sciences and Allied Disciplines.

### Abstract Presentation:

The Organizing Committee invites abstracts for oral presentations. The conference aims to bring together researchers, academicians, industry experts and policymakers to discuss innovative strategies and scientific advances that support global sustainability.

### Abstract Submission Details:

Last date for abstract submission: 10<sup>th</sup> February 2026  
Abstract word limit: 250–300 words  
Email for submission: [intlconfls26@gmail.com](mailto:intlconfls26@gmail.com)

### Bank Details for Payment:

**M/s. ST.PIOUS X PG MBA COLLEGE FOR WOMEN**

**Bank :** SOUTH INDIAN BANK **A/c. :** 0549053000007065 **IFSC:** SIBL0000549 **Branch:** HABSIGUDA, Hyderabad

**QR code for Registration**



**QR code for Payment**



**Link for Registration:** <https://forms.gle/WdfhEwtaWn6Vwqn46>

### Full Paper Publication

Original Research Articles and Review Papers relevant to the conference theme are invited for presentation and publication. Selected full-length papers, after peer review, will be published in the Conference Proceedings with ISBN 978-93-471 40-09-9, in collaboration with a reputed publisher partner.

- \* Paper Length: 4,000–5,000 words
  - \* Maximum Authors: 4
  - \* Format: APA
  - \* Publication Fee: Rs. 600/- per chapter (After Review Approval)
- Last date for Full Paper Submission: 24th February 2026



Category	Amount (Indians-Rs.)		Amount (Foreigners-USD)	
	Participation	Presentation	Participation	Presentation
Faculty / Academicians / Industrialists / Research Scholars	Rs. 600/-	Rs. 800/-	\$15	\$20
UG & PG Life Science Students	Rs. 350/-	Rs. 450/-	\$10	\$12

### Presentation Mode & Awards:

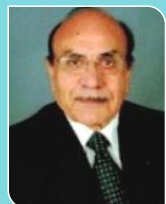
The conference will be conducted in Hybrid Mode, allowing participants to present their research either offline (oral presentation) on day 1 or online (virtual presentation) on day 2. Attractive prizes and certificates will be awarded for the Best Presentation in both the sessions. All the participants will receive Participation and Presentation certificates. Both online and offline presentations will be equally evaluated by the Session Chairpersons for the awards.

## 17/02/2026 - Day 1 (Hybride mode)

### Inaugural Session: 9:30AM



**Chief Guest**  
**Sri. Chintala Venkat Reddy**  
Padma Shri Awardee, 2020



**Guest of Honour**  
**Mr. R.K Mehta**  
Rainbow Bamboo and Founder & Chairman,  
Progressive Biochar Society, Hyderabad

### Keynote Session: 10:30 - 11:30AM



**Prof. P. Sankar Ganesh**  
Professor (Research Track)  
BITS Environmental Science &  
Technology (BEST) Lab  
Department of Biological Sciences  
BITS Pilani, Hyderabad Campus.

### Scientific Session I: 11:45 - 12:45PM



**Prof. Hameeda Bee**  
Department of Microbiology  
Univ. College of Science  
Osmania University

### Scientific Sessions II & III: 1:30 - 4PM by Progressive Biochar Society team



**Dr. N. Sai Bhaskar Reddy**  
International Biochar Expert and  
Pioneer in India, President,  
Progressive Biochar Society, Hyderabad



**Mr. S. K. Gupta**  
Member, RBI Empowered Committee for  
MSME & General Secretary,  
Progressive Biochar Society, Hyderabad



**Prof. Pramod Kumar**  
Chemical Engineer (Rtd.), JNTUH, Hyderabad &  
Vice President, Progressive Biochar Society  
Hyderabad



**Dr. Aariff Khan**  
Senior Professor, Soil Science (Rtd.), PJTAU,  
Hyderabad & Director Academic,  
Progressive Biochar Society, Hyderabad



**Dr. P. Chandrasekhar Rao**  
Dean (Rtd.), PJTAU,  
Rajendra Nagar, Hyderabad



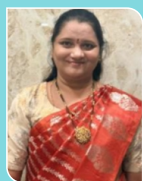
**Mr. K.L. Prabhakar**  
Deputy General Manager National Bank  
for Agriculture and Rural Development (Rtd.),  
(NABARD), Mumbai



**Dr. Sreedhar Damodara**  
Senior Scientist & Project Manager,  
Plant Tissue Culture Biotechnology



**Mr. S. Firoz Ahmed**  
Business Head - Institutional Sales,  
Shivashakti Group of Companies,  
Hyderabad



**Dr. Madhavi Vedulla**  
Senior Industrial Scientist  
& Member,  
Progressive Biochar  
Society, Hyderabad.



**Dr. Debarati Chakraborty**  
CEO, Founder, ASDC  
Naturopatia Agrotech Pvt. Ltd.,  
Hyderabad.

### Paper Presentation Session I & II: 2 - 4PM (offline) - Oral Presentations by Faculty & Students (at different venues)

## 18/02/2026 - Day 2 (Online mode only)

#### Scientific Session IV: (online): 9:30 - 10:30AM

#### Scientific Session VI: (online): 11:30 - 12:30PM

#### Scientific Session V: (online): 10:30 - 11:30PM



**Dr. Andrew J. LaFavers, Ph.D.**  
Director of Geosciences and  
Environmental Sciences,  
Dallas Baptist University,  
Texas, USA.



**Dr. Aparna Banerjee**  
Professor and Research Coordinator,  
Institute of Applied Sciences,  
Faculty of Engineering, Universidad  
Autónoma de Chile, Talca Centre, Chile



**Dr. Kiran Solingapuram Sai**  
Chief, Division of Translational  
Imaging, Professor of Radiology  
Wake Forest University  
School of Medicine and Advocate  
Health, North Carolina, USA

### Valedictory Session: (online): 3 - 4PM



**Guest of Honour**  
**Joanna Kane - Potaka**  
Executive Secretary,  
GFAiR - Global Forum on Agricultural  
Innovation and Research, Australia

### Paper Presentation Session III & IV: (online): 1:30 - 3PM Oral Presentations by Faculty & Students (at different tracks)

## CHIEF PATRON



**Sr. Japamala Vatti**

Superior General,  
Congregation Catechist Sisters of St. Ann, Hyderabad

## PATRONS



**Sr. Sujatha**

Correspondent



**Dr. Sr. B. Velangini Kumari**

Principal

## CONVENORS

**Dr. Anjana Shukla**, Assistant Professor, Dept. of Botany

**Dr. B. Susmitha**, Assistant Professor, Dept. of Microbiology

## COORDINATORS

**Mrs. Sugantha Mala S**, HoD (UG Life Sciences), Dept. of Biotechnology

**Dr. M. Lakshmi**, Assistant Professor, Dept. of Biochemistry

## Advisory Committee

### International



**Dr. Andrew J. LaFavers, Ph.D**

Ph.D, Director of Geosciences and  
Environmental Sciences,  
Dallas Baptist University, Texas, USA



**Dr Sanjay Purushotham**

India Liaison, International Affairs,  
Dallas Baptist University, Texas, USA

## National

**Prof. S.Pardhasaradhi**, Dean, Research

**Prof. R. Sushama**, Principal, St.Pious X MBA College

**Dr. R. Komala**, Dean, Academics & IQAC Coordinator

**Dr. Annie Sunil**, Dean, Student Affairs

**Mrs. G. Naga Laxmi**, Controller of Examination

**Dr. P. Padmalatha**, Dept. of Botany & Biotechnology

**Dr. Sudha Swaraga**, HoD, Dept. of Chemistry

**Dr. P. Sangeetha Lakshmi**, HoD, Dept. of Physics

**Mrs. Pritha Ghosh**, HoD, Dept. of Microbiology

**Ms. C. Vani Sree**, HoD, Dept. of Biochemistry

**Ms. B. Maheshwari**, HoD, Dept. of Clinical Nutrition & Dietetics

## Organizing Committee

**Dr. A. Helah Kiranmai**, Dept. of Biochemistry

**Ms. N. Swathi Sree**, Dept. of Biochemistry

**Ms. U.S.V.R.Hymavathi**, Dept. of Chemistry

**Dr. Sneha Latha**, Dept. of Chemistry

**Ms. K. Swarnalatha**, Dept. of Microbiology

**Ms. Rajeetha Mondal**, Dept. of Microbiology

**Dr. G. Sai Prashanthi**, Dept. of Microbiology

**Dr. Jyoti Lallu**, Dept. of Genetics

**Ms. Amrita Gautam**, Dept. of Zoology

**Ms. V. Deepika**, Dept. of Clinical Nutrition & Dietetics

**Ms. A.Ushasree**, Dept. of Clinical Nutrition & Dietetics

**Ms. Bushra Ishaq**, Dept. of Clinical Nutrition & Dietetics

## Address for Communication:

**Dr. Anjana Shukla, Assistant Professor, Dept. of Botany**

**Dr. B. Susmitha, Assistant Professor, Dept. of Microbiology**

St. Pious X Degree and PG College for Women (Autonomous), Nacharam, Hyderabad, Telangana

Ph. No.: 0959222700; 09493391372

Email Id: intlconfls26@gmail.com

Website: <https://stpiouscollege.org/>