ACADEMIC YEAR 2025 - 2026

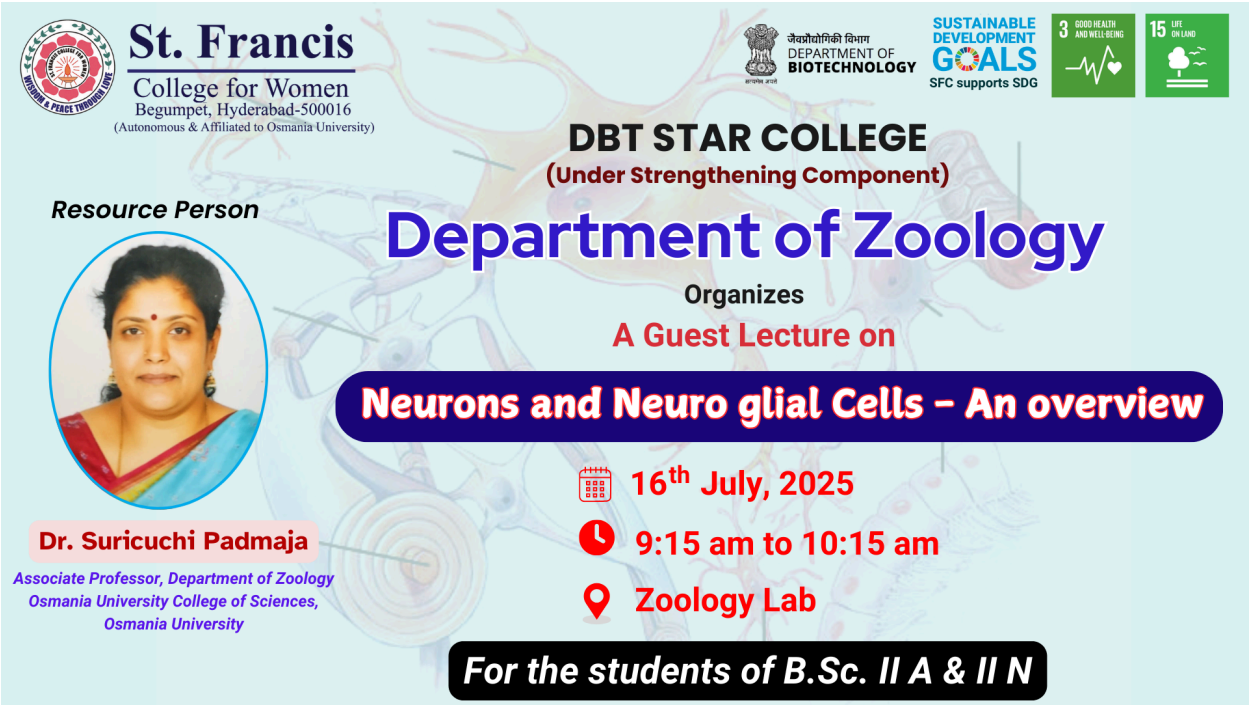
DEPARTMENT OF ZOOLOGY

Report on GuestLecture

Date: 16-07-2025

Time: 9:30 am to 10:30 am

Brochure:



The Department of Zoology organized a Guest Lecture under strengthening component -DBT Star College Scheme for 65 students of B.Sc II year students of zoology on 16th July, 2025. The resource person was Dr. Suricuchi Padmaja, Associate Professor, Department of Zoology, Osmania university college of Sciences, Osmania University, Hyderabad. Dr. Padmaja delivered an engaging talk titled **"Neurons and Neuroglial Cells – An Overview"**, offering students a deeper understanding of different types of neuroglia , their structure and function. She focused on how neurons communicate through Electro chemical signals, integrate information and

generate response to stimuli. The session not only reinforced textbook concepts but also inspired curiosity about the intricate workings of the human nervous system.

Objective of the Program (Aligned with SDG 4)

To deepen the understanding of students regarding the human nervous system—specifically neurons and neuroglial cells—by offering insights beyond textbook knowledge through expert-led discussions. The session aimed to:

- Introduce various types of neuroglia and their structural-functional roles
- Explain neural communication via electrochemical signaling
- Foster academic curiosity and practical comprehension of neurobiological processes
- Align with experiential learning goals of the DBT Star College Scheme

To foster inclusive and equitable quality education by deepening students' understanding of neurobiology through expert-led experiential learning. This aligns with:

- **SDG Target 4.3**: Ensure equal access to quality tertiary education
- **SDG Target 4.7**: Ensure learners acquire knowledge and skills to promote sustainable development
- **SDG Target 4.A**: Strengthen educational infrastructure through academic enrichment programs

Outcome of the Program

The guest lecture successfully enriched students' conceptual clarity on neurons and neuroglial cells. Key outcomes included:

- Enhanced knowledge of cellular components like astrocytes, oligodendrocytes, and microglia
- Improved understanding of stimulus-response mechanisms and neural integration
- Strengthened engagement with advanced zoological topics beyond the curriculum
- Encouragement of inquiry-based learning and deeper interest in neurobiology

Photos:

Dr. Suricuchi Padmaja delivering a lecture:


Organizes
A Guest Lecture on

Dr. Jyothi Rani
HoD
Department of Zoology

Dr. Vidya Jayaram
DBT Coordinator
Department of Zoology