

Report on Guest Lecture

Date: 7th July 2025

Introduction

The Department of Life Sciences, Sardar Patel College, Secunderabad, organized an enriching guest lecture on “*Transgenic Plants*” on 5th July 2025. The session was delivered by **Dr. Kanakachari Mogilicherla**, Scientist at ICAR – Indian Institute of Rice Research, Hyderabad, and recipient of the DBT Ramalingaswamy Re-entry Fellowship.

Objective

The primary objective of the lecture was to provide students with a deeper understanding of advancements in plant biotechnology, particularly in the area of genetic engineering and transgenics. The session aimed to expose students to real-world applications, recent research developments, and career opportunities in this rapidly evolving field.

Topics Covered

- Introduction to Transgenic and Genome-Edited Plants
- India's milestone as the first country to approve genome-edited rice varieties
- Current trends in genetic engineering and biotechnology research
- Future prospects in crop improvement and sustainable agriculture
- Career guidance for Life Sciences students in biotechnology, agricultural research, and allied sectors

Conclusion

The session was highly informative and interactive, with active participation from 50 Life Sciences students. Students appreciated the relevance of the lecture and shared positive feedback, stating that it enhanced their knowledge of biotechnology and opened new perspectives on career opportunities in the field.



