



**ST. JOSEPH'S
DEGREE COLLEGE**

SUNKESULA ROAD, KURNOOL



DEPARTMENT OF BOTANY

— *Organizes* —

GUEST LECTURE

— *on* —

CHROMOSOMAL MAPPING



Resource Person

K. VIDYA GODAVARI

Assistant Professor
Department of Botany
Dr. Abdul Haq Urdu University
Kurnool



**For
III B.Sc. BOTANY STUDENTS**



DATE
23 July 2026
(Thursday)



TIME
12:30 PM



VENUE
Room No. 42



LEARN. EXPLORE. GROW.



DEPARTMENT OF BOTANY
St. Joseph's Degree College
Sunkesula Road, Kurnool-518004.
www.sjcknl.edu.in
(Affiliated to Rayalaseema University, Kurnool, A.P.)



Kurnool,
Dt: 22/07/2026

To
The IQAC Coordinator,
St. Joseph's Degree College,
Kurnool.

Subject: Request for Permission to conduct Guest Lecture

Respected Sir,

The Department of Botany is pleased to inform you that it proposes to organize a Guest Lecture on "Chromosomal Mapping" for the III B.Sc. Botany students on 23 July 2026 (Thursday). The session will be delivered by Mrs. K. Vidya Godavari, Assistant Professor, Department of Botany, Dr. Abdul Haq Urdu University, Kurnool. The lecture is intended to provide students with a comprehensive understanding of chromosomal mapping, genetic linkage and their applications in plant breeding and modern biological research. This academic interaction will enhance students' subject knowledge, encourage scientific thinking, and expose them to recent advancements in the field of Botany.

In view of the academic importance of this programme, we request you to grant permission. We shall be grateful for your approval and cooperation.

Thanking you.

Yours faithfully,

SAIQUA ZAREEN(HoD)
Department of Botany
St. Joseph's Degree College
Kurnool.

SYNOPSIS

The Department of Botany, St. Joseph's Degree College, Kurnool, organized a Guest Lecture on **"Chromosomal Mapping"** for the III B.Sc. Botany students on **23 July 2026**. The lecture was delivered by **Mrs. K. Vidya Godavari**, Assistant Professor, Department of Botany, Dr. Abdul Haq Urdu University, Kurnool.

The resource person explained the concepts of chromosomal mapping, genetic linkage, and recombination. She described chromosomal mapping as a technique used to determine the location of genes on chromosomes and to understand how genes are inherited together.

To facilitate better understanding, she illustrated the concept using simple examples. One example demonstrated how genes controlling flower colour and seed shape in pea plants can be studied to determine whether they are located close together on the same chromosome. Another example focused on the mapping of disease-resistant genes in rice, highlighting its importance in helping plant breeders identify desirable genes and develop improved crop varieties. She further explained that genes located close to one another on the same chromosome are more likely to be inherited together, whereas genes that are farther apart have a greater chance of being separated during recombination.

The speaker also emphasized the significance of chromosomal mapping in plant breeding, crop improvement, and genetic research. The session was highly interactive, with students actively participating by asking questions and clarifying their doubts.

Overall, the guest lecture enhanced the students' understanding of chromosomal mapping and inspired them to explore genetics and its applications in Botany.

OBJECTIVES

1. To familiarize students with the concept and importance of chromosomal mapping.
2. To introduce molecular markers and modern chromosomal mapping techniques.
3. To highlight the applications of chromosomal mapping in plant breeding and genetic improvement.

OUTCOMES

1. Students understood the fundamental concepts of chromosomal mapping.
2. Students recognized the role of chromosomal mapping in crop improvement, biodiversity conservation, and genetic research.
3. The programme enhanced analytical thinking and interest in advanced studies in genetics and plant sciences.

GALLERY





ATTENDANCE

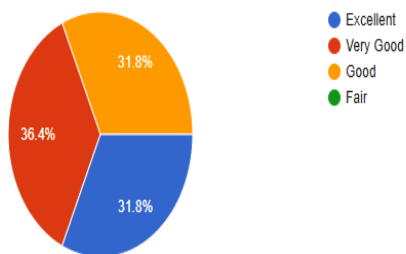
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FEEDBACK

How would you rate the knowledge and expertise of the resource person?

22 responses



How interactive was the guest lecture?

22 responses

