



# The Oxford College of Science

Accredited by NAAC with A+ grade in cycle III

Recognized by the Govt. of Karnataka; Permanently affiliated to Bangalore University & Approved by AICTE, New Delhi

Recognized by UGC under section 2(f) & 12(B); Recognized by GoK for BiSEP (formerly BTFS)

Supported by DST GoI under FIST program, Supported by DBT GoI under DBT-STAR College

## DBT-STAR Scheme 2025

### REPORT

DEPARTMENT: BIOCHEMISTRY

<b>TITLE</b>	Isolation of DNA from plant source
<b>ACTIVITY TYPE</b>	Additional Practical
<b>YEAR/SEMESTER</b>	2026 / IV Semester
<b>DATE OF EVENT</b>	21/2/2026
<b>VENUE</b>	Biochemistry Lab
<b>ORGANISED BY</b>	Department of Biochemistry
<b>RESOURCE PERSON (with designation and affiliation)</b>	Evawe Prabha, Associate Professor
<b>FACULTY INCHARGE/EVENT COORDINATOR</b>	Evawe Prabha
<b>TARGET AUDIENCE</b>	B.Sc IV Students
<b>NUMBER OF BENEFICIARIES</b>	40

**The objectives of the Programme:** Isolation of DNA from plant source and Agarose gel electrophoresis.

#### Highlights of the Programme:

- Conducted an additional practical session on isolation of DNA from cauliflower.
- Demonstrated extraction, separation of DNA, followed by agarose gel electrophoresis and visualization of extracted DNA.
- Provided experiential learning beyond the prescribed syllabus.
- Enhanced students' technical skills in molecular biology techniques.
- Promoted research aptitude and practical understanding among undergraduate students.

#### The outcome of the programme:

- Developed practical skills in performing agarose gel electrophoresis.
- Acquired practical knowledge of agarose gel electrophoresis technique..
- Improved laboratory handling, accuracy, and analytical skills.
- Enhanced analytical thinking and interest in research-oriented activities.

## Geotagged photos with titles



**Introduction and Explanation  
by Resource person**



**samples subjected to centrifugation**



**Isolated DNA**



**Explanation to Agarose gel electrophoresis  
by Resource person**



**visualization of DNA bands under uv transilluminator**

**Head of the Department**

**DBT-STAR Coordinator**

**Vice Principal**

**Principal**

## Attachments

<b>Sl. NO</b>	<b>Document</b>	<b>( ✓ ) mark (if attached)</b>
1	Brochure of the event	✓
2	Circular of the event (For training/ workshop/guest lecture/FDP)	✓
3	Geo-tagged photos/ Screen Shots (Save as separate photos)	✓
4	Attendance sheet with signature of the attendees	✓
5	Copy of the Certificate/E-certificate issued	-
6	Feedback Forms (For training/ workshop/Guest lecture/FDP)	-