



# CH. CHHOTU RAM (PG) COLLEGE, MUZAFFARNAGAR

(Accredited 'B' Grade by NAAC)

## Department of Botany

Training Partner: **BIO-COSMOS LAB, Meerut**

Organizing One Week

## Skill Development Hands-on Training cum Workshop

On

**1. Agarose Gel Electrophoresis for Separation of Genomic DNA**

**2. Synthesis of Silver Nanoparticles (AGNPs) from Plant**

**From 09-03-2026 to 13-03-2026**

**Registration Open (from 1/3/2026 to 9/3/2026)**

**Registration Fee:** Individual Student/Delegate/Research scholar -Rs. 500 /-

Contact **Ms Shaily** (Dept. of Botany) for Registration Ph. **7017125677, 9837991612**

### Workshop Plan

Day	Timing	Activity
<b>Day 1</b>	10.00 AM-11.00 AM 11.00 AM-2.30 PM	Inaugural Session & Introductory Lecture Lab Procedures/Preparation: DNA Isolation and Synthesis of AgNPs
<b>Day 2</b>	10.00 AM-11.00 AM 11.00 AM-1.00 PM 1.00 PM-2.30 PM	Introductory Lecture Lab procedure for DNA isolation Lab procedure for Agarose gel electrophoresis
<b>Day 3</b>	10.00 AM-12.00 PM 12.00 PM-2.30 PM	Lab procedure for Gel Electrophoresis Characterization of AgNPs (UV-Vis)
<b>Day 4</b>	10.00 AM-11.00 AM 11.00 AM-12.30 PM 12.30 PM-2.30 PM	Gel electrophoresis and bands visualization Discussion of Results and Interpretation of Data Data Analysis and Report Writing
<b>Day 5</b>	10.00 AM-11.00 AM 11.00 AM-12.00 PM 12.00 PM-2.30 PM	Preparation for Presentations Students' Presentations / Interactive Discussion Valedictory Session & Certificate Distribution

### ORGANIZING TEAM

Dr. Subhash Kumar, Assistant Professor & HOD  
Ms Shaily, Lecturer

**Prof. (Dr.) K.P. Singh**  
(Principal)