



# Shivaji College

NAAC Accredited Grade "A"

(University of Delhi)

## Department of Biochemistry

under the aegis of DBT sponsored Star College Scheme



सत्यमेव जयते

Department  
of Biotechnology  
Govt. of India

# First Hands-on Training Workshop on Isolation of Bacterial Genomic DNA using Magnetic Nanoparticles

**Date: April 8 2022**

**Time: 9:00 AM to 5:00 PM**

**Venue: Department of Biochemistry**

### Sessions include

- Introduction to Nanotechnology
- Synthesis of Magnetic Nanoparticles
- Bacterial Genomic DNA isolation
- Visualization of Genomic DNA



**Dr. Abhijeet Mishra**

*Department of Biochemistry  
Shivaji College,  
University of Delhi*

**Resource Person & Event coordinator**

- Registration link: <https://forms.gle/Go4gZ2h2AEJxUsda7>
- Registration fee: Rs 500/- (by Paytm)
- Total no. of seats: 20 (First come first served)
- Last date to apply: April 6 2022
- Who can apply: Faculty members

**Prof. Darshan Malik**  
COORDINATOR, SCS

**Dr. Renu Baweja**  
CONVENER, SCS

**Dr. Jayita Thakur**  
CO-CONVENER, SCS

**Prof. Shiv Kumar Sahdev**  
PRINCIPAL

**Dr. Sunita Singh & Dr. Usha Yadav**  
ORGANIZING COMMITTEE MEMBERS

Dear colleagues

We are pleased to inform you that **Department of Biochemistry, under the aegis of DBT sponsored Star College Scheme** is organizing “**FIRST HANDS-ON TRAINING WORKSHOP ON ISOLATION OF BACTERIAL GENOMIC DNA USING MAGNETIC NANOPARTICLES**” on **April 8, 2022** for faculty members.

*Nanoparticles are ultrafine particles that range between 1-100 nm in size and are objects of study in many science disciplines such as chemistry, physics, biology etc. In recent years, these materials have emerged as important players in modern medicine with clinical applications. These minute materials are indeed stuffs that ensure the all-around development of humanity. Among different nanostructure, magnetic nanoparticles have many applications including imaging, drug delivery, isolation of macromolecules etc.*

The main objective of the workshop are

- **Introduction to Nanotechnology**
- **Synthesis of Magnetic Nanoparticles**
- **Bacterial Genomic DNA isolation**
- **Visualization of Genomic DNA**

The poster of the event is attached herewith for your kind perusal.

Looking forward for your active participation.

Thanks and Regards

Workshop Organizing Team

Shivaji College, University of Delhi