

## About CVMU

Charutar Vidya Mandal had established The CVM University with mission of an equal opportunity to pursue excellence in Education and Research in a conducive environment, which is culturally rich with a legacy of eminence in building character and strength of mind while standing for sustainability by the efforts of qualified and committed faculty members of ISTAR.

Institute of Science & Technology for  
Advanced Studies & Research (ISTAR)  
M.Sc. Biotechnology Department,  
The Charutar Vidya Mandal University



Institute of Science and Technology for Advanced Studies and Research (ISTAR) is one of the premier institutes in Gujarat. It is top-ranked and accredited by KCG. ISTAR was established in 1999 exclusively for PG programs and research. ISTAR is conducting 17 PG programs, including M.Sc. and Ph.D. in Biotechnology, one of the most progressive and beneficial scientific advances. ISTAR is a constituent college of The CVM University, Vallabh Vidyanagar.

## PATRONS

**Er. Shri Bhikhubhai B. Patel**  
Chairman, Charutar Vidya Mandal  
President, The CVM University

## ADVISORY COMMITTEE

**Dr. Hemant Trivedi**  
(Provost (I/C), The CVM University)

**Dr. Sandeep Walia**  
(Registrar, The CVM University)

**Dr. Mahendrasinh Raj**  
(Principal, ISTAR)

**Dr. Jigar Patel**  
(Deputy Director, SICART)

## COURSE CO-ORDINATORS

**Dr. Nisha Daxini** (Coordinator)  
(Head, Dept. of Biotechnology)

**Dr. Hiral Soni** (Coordinator)  
(Dept. of Biotechnology)

## COMMITTEE MEMBERS

**Dr. Shilpa Gupte**

**Mr. Snehal Ingale**

**Dr. Hiren Soni**

**Dr. Krunal Suthar**

## CONTACT US: -

nisha.daxini@cvmu.edu.in (9925884081)

hiral.soni@cvmu.edu.in (9978033036)



<http://www.istar.edu.in>



**GSBTM Sponsored  
State Level Workshop**

**On**

**“Hands-on training: Advanced  
techniques in Biotechnology  
& Nanotechnology”**

**Date: 13<sup>th</sup> & 14<sup>th</sup> February 2025**

**ORGANIZED By**



Department of Biotechnology,  
**Institute of Science and Technology for  
Advanced Studies and Research (ISTAR)**

**VENUE**

**Institute of Science and Technology for  
Advanced Studies and Research (ISTAR)**

P.O. Box # 13, Near Post Office, Mota Bazar,  
Vallabh Vidyanagar- 388120. Dist. Anand, Gujarat, India

[istarcvmu](https://www.facebook.com/istarcvmu) [istar\\_cvm](https://www.instagram.com/istar_cvm) <http://www.istar.edu.in/>

## Workshop Objectives

- To increase awareness and understanding about potential applications of emerging fields of Biotechnology.
- To enhance the research aptitude of life science aspirants.
- To investigate future trends in biotechnology and its applications for human benefits.

## GSBTM sponsored workshop

The Gujarat State Biotechnology Mission (GSBTM) provides financial support for research-driven initiatives at academic and research institutions, aiming to foster a strong biotechnology research and innovation ecosystem in the state. The “Hands-on training: advanced techniques in Biotechnology & Nanotechnology” program is one such unique effort funded by GSBTM, initiated to enhance students' awareness, capacity building, and knowledge and allow them to connect with and receive guidance from experts.

## Featured Speaker



**Dr. A. N. Bhadalkar**

Director, Savli Technology and  
Business Incubator,

Dept. of Science and Technology, Govt. of Gujarat

## Workshop Modules

### PLANT BIOTECHNOLOGY

- In-vitro preparation of explant under controlled aseptic conditions for the growth of explant.
- Importance of Media and plant growth regulators in tissue culture.

### NUCLEIC ACID EXTRACTION & RFLP

- Role of Restriction enzyme in fingerprinting.
- Analysis of Restricted band in Agarose gel and its application in fingerprinting.

### NANOTECHNOLOGY

- Synthesis and antimicrobial properties of metallic nanoparticles.
- Photocatalytic activity of nanoparticles.

### COMPUTATIONAL BIOLOGY

- Importance of Databases in 21st Century
- Role of Systems Biology in Medicine and Pharma industrial research.

### Expected Outcomes

- Hands-on activities will help participants with improved practical skills.
- Collaboration with mentors or professionals in the emerging field will expand their network and learning from diverse perspectives.
- Participants will gain information about the latest advancements in the field.

## Who Can Apply?

Students from B.Sc., M.Sc. Biotechnology/ Microbiology/ any branch of Life sciences

Research scholars from Biotechnology/ Microbiology/ any branch of Life sciences

**No. of Seats: 50**

## Registration Fee:

**CVMU students: Rs. 200/-**

**Non CVMU students:  
236/- (including 18%GST)**

### Registration Link

<https://forms.gle/rFMRedvkobnHAn6S8>



### Payment details



### Location



### Important Dates & Information

**Last date of Registration: February 10, 2025**

**Date of Confirmation: February 11, 2025**

**Mode of Conduct: Offline**

*\* Do not wait until the last registration date; confirmation will be given to eligible participants on a first-come, first-served basis.*

*\*All Applications & events will follow the Terms & Conditions of ISTAR & GSBTM*