

Saraswathi Vidya Bhavan's College of Pharmacy, Dombivli



In collaboration with



Shri. B.V. Patel Education Trust, Ahmedabad

Organizes

Two - Days Practical Hands-on Training on Enzyme Technology

Date:

7th - 8th November 2025

Time: 9:00 am - 6:00 pm

Venue:

Saraswathi Vidya Bhavan's College of Pharmacy,
Sankara nagar, Sonarpada, Dombivli (E)
www.svbpharmacy.org

About us

SARASWATHI VIDYA BHAVAN'S COLLEGE OF PHARMACY, DOMBIVLI, MAHARASHTRA

Saraswathi Vidya Bhavan's College of Pharmacy (SVBCP), is one of the premier establishments that has been nurtured under the guidance of Founder President Dr. R. Varadarajan. SVBCP, established in the year 1993, is managed by Saraswathi Vidya Bhavan trust, affiliated to the University of Mumbai. SVBCP offers D.Pharm., B.Pharm. and M.Pharm. in two disciplines, viz. Pharmacognosy & Phytochemistry, Quality Assurance, and Ph.D. in the discipline of Pharmacognosy and Phytochemistry.

The institution is approved by the AICTE, PCI, and DTE Maharashtra State. The institute is NBA accredited for B. Pharm. program for years 2022-2025. The institute comprises a magnificent building of Ground + 3 floors on a sprawling land of 5 acres, with excellent infrastructure, conducive to learning, research, and higher studies. The college is equipped with sophisticated instruments like. HPLC, ELISA Plate reader, Clinical Analyser, FTIR, Flash Chromatography, Spray Drier etc. CPCSEA approved animal house facilities are also available for both the internal & external research students.

Website: www.svbpharmacy.org



SHRI. B. V. PATEL EDUCATION TRUST, AHMEDABAD, GUJARAT

Shri B.V. Patel Education Trust is established in 1974 in the fond memory of the First Drug Controller of Gujarat, Shri Bhupendrabhai V. Patel. Vision and Mission of the Trust is educational activities in field of pharmacy and allied sciences to support pharma industry with skilled scientists / technocrats / management professionals.

To fulfil this goal the Trust carries out activities like International Symposiums, Hands on Training Workshops, Industry- Oriented Dissertation Programs etc. It also conducts Shri B.V. Patel Essay Competition annually where students / academicians / industry professionals from various field can participate.

The Trust also organises Shri B.V. Patel Memorial Lecture every year in 'Indian Pharmaceutical Congress' where the winners of Essay Competition receive medals and cash prize. It is planning to start Certificate Courses for pharma and allied science graduates to prepare them for industry oriented skilled human resources & is also coming up with innovative programmes to support students and promote educational activities in Gujarat.

Website: www.bvpedutrust.com



Resource person

Dr. Bhalchandra Vaidya

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Conveners

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About workshop

Enzymes are nature's catalysts, working under mild conditions to reduce harsh chemicals and energy use in industries like food, agriculture, textiles, and pharmaceuticals. Enzyme technology covers production, purification, immobilization, biocatalysis, structural biology, and directed evolution of enzymes. In pharmaceuticals, they play a vital role in selective transformations, enzyme replacement therapy, diagnostics, biosensors, and the production of recombinant proteins, vaccines, and monoclonal antibodies.

This Two-Day Workshop offers essential theoretical and practical insights into enzyme technology with a focus on pharmaceutical applications. In line with NEP 2020, it aims to equip teachers and research students with experimental and competency-based learning to effectively teach the new PCI syllabus and integrate enzyme technology in sustainable scientific research

Workshop objectives

- Understanding fundamentals of enzymes, biocatalysis and enzyme kinetics
- Learning different techniques of enzyme immobilization
- Understanding basics of industrial biotransformations
- Acquiring practical knowledge on using immobilized biocatalysts for biotransformation

Learning outcomes

By the end of the workshop, participants will be able to:

- Understand the fundamentals of enzymes, biocatalysts and their industrial applications.
- Perform enzyme activity assays and interpret the results.
- Perform experiment on enzyme immobilization on suitable supports.
- Characterize the immobilized biocatalysts for efficiency and stability.
- Gain insights into industrial-scale biotransformations and their significance.
- Observe the practical setup and operation of a stirred tank reactor for biotransformation processes.

Schedule

Date: 7th November 2025

Day 1

Time	Session	Topic
9:00 am - 11:00 am	I	Introduction to enzyme & biocatalysis
11:00 am - 11:15 am	Tea Break	
11:15 am - 12:45 pm	II	Enzyme immobilization
12:45 pm - 1:45 pm	Lunch Break	
1.45 pm - 3:15 pm	III	Lab Based session on enzyme activity assay
3:15 pm - 3:30 pm	Tea Break	
3:30 pm - 5.30 pm	IV	Pair based experimental session on enzyme immobilisation
5.30 pm - 6:00pm	V	General discussion and Q&A session

Date: 8th November 2025

Day 2

Time	Session	Topic
9:00 am -11:00 am	I	Pair based practical session on characterisation of immobilized biocatalyst
11:00 am- 11:15 am	Tea Break	
11:15 am- 12:45 pm	II	Basics of industrial biotransformation
12:45 pm - 1.45 pm	Lunch Break	
1:45 pm - 3:15 pm	III	Setting up stirred Tank Reactor for biotransformation
3:15 pm - 3:30 pm	Tea Break	
3:30 pm - 5.30 pm	IV	Demonstration of biotransformation
5:30 pm - 6:00 pm	V	General discussion and Q&A session

Who should attend?

- Teaching faculties
- Research Scholars

Registration details

- The last date to register:- 1st Nov. 2025.
- Only 25 participants will be registered on a first come first serve basis.

- Click the Registration link :

<https://forms.gle/pY7hPLAiJmFsGZ3s7>

- Registration fees: Rs. 2000/- only
- Payment Details:

Name: SVB'S College of Pharmacy (M. Pharm.)

Bank name: Indian bank,

Branch: Dombivli East

Account no.: 718994087

IFSC code: IDIB000D047

Scan to register

