# Prof. Priyanka Ambar Chinchkar

**Assistant Professor, Department of Biotechnology**

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## OVERVIEW:

**Qualifications:** M. Tech (Chemical – Biotechnology)
**Experience:** Teaching – 01 year Industry – 04 years
**Date of Joining STES:** 29/04/2024

## AREA OF EXPERTISE /RESEARCH INTERESTS:

- Biochemistry, Bioseparation, Immunology, Biotherapeutics

## NUMBER OF STUDENTS GUIDED:

- UG – 1 final year project group, 11 T.E. students for Internal Seminar

## RESEARCH PULICATIONS:

**Publication Summary:**

International Journal: 01
Conference : 01

https://scholar.google.com/citations?user=HzWQynoAAAAJ&hl=en

## RESEARCH WORK:

**M.Tech Research Work:**

- The objective of the research was to find an appropriate membrane for separation of whey proteins from milk.
- Many of the countries have large dairy and cheese production units which generate huge amounts of whey per liter of milk processed. The general practice of whey as a waste product is land disposal, which poses serious pollution problem. Thus, it is highly essential that whey has to be processed further to generate more valuable products and subsequently to make it suitable for safe disposal.
- For this, a membrane chromatography was thought as an economical approach where commercially available membranes were used for the separation of whey.
- The study was published in the journal '**Current Biotechnology**' volume 07 issue 04.
- The thesis work was conducted at **CEPD division, National Chemical Laboratory** under the guidance of **Dr. H. V. Adikane.**

**B.Tech Research work:**

- The research work dealt with immobilization of Saccharomyces cerevisiae strain (NCIM 11 3455) on ground corn cobs for alcoholic fermentation.
- In the work, molasses was used as a carbon source for fermentation. Corn cobs were delignified and hydrophobic study was done.
- The results demonstrated the potential of corn cobs as support for immobilization of yeast cells for ethanol production with enhanced efficiency.
- The work of which was presented at the International conference on advances in biotechnology and patenting (2013), 4th international conference on science, technology, and management (2017).

## SUBJECTS TAUGHT:

- Introduction to Immunology
- Biochemistry I
- Biochemistry II
- Fermentation Technology

## CONFERENCES ATTENDED:

- Poster presentation at International conference on advances in biotechnology and patenting (2013), Tiruchirappalli
- Paper presentation at 4th international conference on science, technology, and management (2017)

## FDP/STTP/SDP ATTENDED:

- OBE Workshop - 01

## RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

**Department Level (Biotechnology)**

- Guest Lecture Coordinator for AY 2024-25
- Lab In charge for Biochemistry Lab
- Third Year Class Coordinator

## DECLARATION:

I hereby declare that all the above information furnished by me is true to the best of my knowledge.

Date: 10/12/2024 Signature

Ms. P. A. Chinchkar