

RADHIKA PATEL
(M.Sc., Ph.D., NET)



Current Position – Teaching Assistant, P.G. Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Anand, Gujarat, India

E. mail – radhikap151@gmail.com

Ph.D. Research Topic – Studies on microbial production of organic solvent tolerant carboxylester hydrolases: Lipases and Esterases

Ph.D. Guide – Dr. Ujval Trivedi, Sardar Patel University, Vallabh Vidyanagar, Anand, Gujarat, India

ResearchInterests-

- Enzymology
- Microbial Biotechnology
- Protein Purification

ACADEMICS:

Education	Subject	University	Year of passing	Grade/Marks obtained
B.Sc.	Microbiology	Sardar Patel University	May 2013	76.3%
M.Sc.	Microbiology	Sardar Patel University	June 2015	71.6%
Ph.D.	Microbiology	Sardar Patel University	November 2021	-

M.Sc. Dissertation topic: PRETREATMENT, ENZYMATIC SACCHARIFICATION AND BIOETHANOL PRODUCTION FROM RICE STRAW.

AWARDS/PRIZE/CERTIFICATES:

- Awarded **Gold medal** for securing **1st rank in B. Sc. Microbiology** at V.P. & R.P.T.P Science College, Vallabh Vidyanagar.
- Won **2nd Prize** in state level Examination conducted by GSA, Minaxi Lalit test in microbiology for the year 2014.
- Qualified Agricultural Scientists Recruitment Board (ICAR) **NET**, 2016.

CONFERENCES/SYMPOSIA ATTENDED

- Attended International conference on “New Horizons In Biotechnology NHBT-2015”, November 22-25, 2015 at Trivandrum, Kerala
- Attended and presented a Poster on “**Pretreatment, enzymatic saccharification and bioethanol production from rice straw**” at International Conference on “Recent Trends in Applied Sciences: Building the Institutional and Industrial Avenues”, 10th - 12th December, 2015 at Anand.
- Attended National Symposium on “Exploring Advances in Biological Sciences”, 5th March, 2016 at Vallabh Vidyanagar.
- Attended and presented a Poster on “**Screening and isolation of lipase producing microorganisms**” at 2nd National Conference on ‘Current Trends in Biological sciences’ CTBS – 2017, organized by Centre of Advance Studies, P. G. Department of Biosciences, SPU. Bakrol.
- Participated and exhibited a poster on “**Bioplastics- Alternative of Ployethylene**” at ‘World Environmental Day: Symposium and Poster Competition’ 4th June 2019.

PUBLICATIONS

- Patel, A., Patel, V., Patel, R., Trivedi, U., & Patel, K. (2020). Fungal laccases: versatile green catalyst for bioremediation of organopollutants. In *Emerging Technologies in Environmental Bioremediation* (pp. 85-129). Elsevier.

- Patel, R., Prajapati, V., Trivedi, U., & Patel, K. (2020). Optimization of organic solvent-tolerant lipase production by *Acinetobacter* sp. UBT1 using deoiled castor seed cake. *3 Biotech*, *10*(12), 1-13.
- Patel, R. K., Shah, R. K., Prajapati, V. S., Patel, K. C., & Trivedi, U. B. (2021). Draft Genome Analysis of *Acinetobacter indicus* Strain UBT1, an Efficient Lipase and Biosurfactant Producer. *Current Microbiology*, *78*(4), 1238-1244.
- Prajapati, V., Patel, S., Patel, R., & Mehta, V. (2022). Isolation and Identification of Sulfur-Oxidizing Bacteria. In *Practical Handbook on Agricultural Microbiology* (pp. 197-202). Humana, New York, NY.
- Patel, R., Trivedi, U., & Patel, K. C. (2021). LIPASES: AN EFFICIENT BIOCATALYST FOR BIOTECHNOLOGICAL APPLICATIONS. *Journal of microbiology, biotechnology and food sciences*, e2498-e2498.

ACHIEVEMENTS IN EXTRA CURRICULAR ACTIVITIES:

- Won 2nd Price in Inter- Collegiate Youth Festival (2014-2015), in Classical Dance competition.
- Won 2nd Price in Debate competition, organized by SPUBS, P.G. Department of Biosciences, on the occasion of National Science Day Celebrations- 2014.
- Won First Prize in Classical Dance competition organized by Gujarat State Youth Festival- 2017.

ORGANIZATIONAL SKILLS:

- Served as an active member of Cultural and Programme Committee (2016-2017) in P.G. Department of Biosciences, Sardar Patel University.
- Actively served as **General Secretary** (2017- 2018) in P.G. Department of Biosciences, Sardar Patel University.