

DR. DEVJANI BANERJEE

PROFESSOR, DEPARTMENT OF LIFE SCIENCES

SCHOOL OF SCIENCES

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PhD | School of Sciences | Gujarat University | Awarded

Subject: Life Sciences | Specialization: Toxicology | June 2003-Jan 2008

Title: Studies on the effect of Ochratoxin on different organs in mice and its amelioration by *Emblica officinalis* extract.

M.Sc | School of Sciences | Gujarat University | Class First

Major: **Biochemistry** | June 2001- April 2003

B. Sc | C U Shah Science College | Gujarat University | Class First

Major: **Biochemistry** | Optional: Chemistry | June 1998 - April 2001

Awarded M J Patani Gold Medal

Exam Passed (SET Gujarat) | November 2017

Work Experience:

November 2021 onwards: Professor, Department of Life Sciences, School of Sciences, GSFC University

Teaching, Examination, Research, Administration

Additional Duties

Associate Dean, Department of Life Sciences

Coordinator: Research and Development Cell GSFCU

Coordinator: NAAC GSFCU

PhD Guide

July 2018-November 2021: Worked as Assistant Professor, Life Sciences

Department of Cell and Molecular Biology, Dr. Vikram Sarabhai Institute of Cell and Molecular Biology The M S University of Baroda, Vadodara, Gujarat.

2008-2016: Assistant Professor, Biochemistry.

Department of Integrated Biotechnology, Ashok & Rita Patel Institute of Integrated

Study and Research in Biotechnology and Allied Sciences (ARIBAS)

Affiliated to Sardar Patel University, Anand, Gujarat.

2007-2008: Worked as Senior Research Fellow

Gujarat Council of Science City under Department of Biotechnology (DBT) and Department of Science and Technology (DST) Sponsored project. Research and to Establish Biotechnology Mission in the state of Gujarat.

2003-2007: Worked as visiting lecturer Biochemistry

C. U. Shah College of Science, Department of Biochemistry, Gujarat, India

Areas of Advance Research & Expertise

Antimicrobial Peptides

Drug Resistance

Fungal Toxins

Plastic Degradation

Computational Tool

Research grants mobilized & Project executed

1. Gujarat State Biotechnology Research (GSBTM) Funding for State Surveillance Program AMR, Gujarat. 2022 - Continue
2. Gujarat State Biotechnology Research (GSBTM) Funding for development of Lead Molecules for Inhibitor resistant B-Lactamase. 2022 - Continue
3. Gujarat State Biotechnology Research (GSBTM) Cancer Conclave Gujarat India. 2021 – Continue
4. GSBTM Fund for National Workshop on Informatics in AMR. 2022.
5. GSBTM Fund for Faculty Development Program: Protein Ligand Binding Chemistry. 2020
6. Indian Council of Medical Research (ICMR) Funding for National Surveillance Program AMR, India. 2011 - 2015

Research Papers Published: 31 (<https://scholar.google.co.in/citations?user=rs1DmS0AAAAJ&hl=en>)

Conferences / Seminars / Workshops: 70

List of PhD and Research Students/JRF/SRF: 07 (Sardar Patel University & GSFC University)

1. State Surveillance Program AMR, Gujarat GSFC Node: Ms. Siddhi Darzi Continuing GSFC University. JRF and PhD Student : 2023.
2. Deciphering the B Lactamase genes in Enterobacters. Ms. Purvi Trivedi. Continuing GSFC University. PhD Student : 2022.
3. SSC Mec Element in Staphylococcus aureus. Mr. Vandan Mehta. Continuing GSFC University. PhD Student : 2022.
4. State Surveillance Program AMR, Gujarat GSFC Node: Ms. Avani Jhala Pramukhswami Medical College. JRF 2022.
5. Cancer Conclave (Co-PI): Mr. Naman Shah The M S University Of Baroda. JRF 2021
6. Isolation and Characterization of Anti-Microbial Peptides from various Blood Sources (Capra Hircus, Gallus Gallus and Homo sapiens). Mr. Himanshu J Toor. Sardar Patel University. (Completed).
7. Purification of Antimicrobial Peptide Extracted from Goat's Heart and Lung Tissue. Mr. Tejas Gohil.
8. Also JRF and SRF: ICMR project (2012-2015). Sardar Patel University (Completed).

Memberships

The Society for Mitochondria Research and Medicine, India. The Indian Science Congress Association, India.
Infection Control Academy of India (IFCAI).

Awards and recognition

- 2017: State Level Entrance Test (SET)
- 2014: Awarded Gaurav Puraskar by Charutar Vidya Mandal for the work done on *Plastic Degradation*.
- 2008: Senior Research Fellow Department of Biotechnology and Department of Science and Technology.
- 2001: Awarded M J Patani Gold Medal for excellence in Biochemistry B.Sc, C U Shah Science College, Gujarat University, Ahmedabad.