

DR. DEVJANI BANERJEE

ASSOCIATE PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY

SCHOOL OF SCIENCES

GSFC UNIVERSITY, VADODARA

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 it's amelioration by *Emblica officinalis* extract.

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

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

Title: Dissertation on Correlation between Diabetes Mellitus and Coronary Artery Diseases.

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:

Novemeber 2021 ..Cont: Associate Professor, Department of Biotechnology, School of Sciences, GSFC University

July 2018-Novemeber 2021: Worked as Temporary 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: Worked as Assistant Professor, Biochemistry. (8 Years)

Department of Integrated Biotechnology, Ashok & Rita Patel Institute of Integrated Study and Research in Biotechnology and Allied Sciences (ARIBAS) (NAAC A, KCG Accredited)

Affiliated to Sardar Patel University, Anand, Gujarat.

Awarded Gaurav Puraskar in 2013 for research.

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. Indian Council of Medical Research (ICMR) Funding for National Surveillance Program AMR, India.

2012-2015: ICMR: Indian Council of Medical Research (as Principal Investigator) 'Isolation purification and characterization of antimicrobial peptides from heart and lung of goat and to check its efficiency against antibiotic resistance and antibiotic sensitive bacterial strain'.

Patent: *International Budapest Treaty for Patent processing*, International depository authority. (PRN D_FEB_16_089, Accession Number: MCC 0078, Taxonomic Designation *Enterobacter hormaechei*, Strain Designation: EH.DCT).

2. Gujarat State Biotechnology Research (GSBTM) Cancer Conclave Gujarat India.

Rational Design of Photolabile Ruthenium Complexes for photoinduced drug delivery in Breast cancer cell lines. (Co-PI, Affiliated to The M S University of Baroda) 2021-2024

3. Gujarat State Biotechnology Research (GSBTM) Funding for State Surveillance Program AMR, Gujarat.

PI, GSFC University Baroda 2022-2025

4. GSBTM Fund for Faculty Development Program: Protein Ligand Binding Chemistry. 2021

5. GSBTM Fund for National Workshop on Informatics in AMR. 2022

Research Papers Published: 22

List of PhD and Research Students: 02 (Sardar Patel University & GSFC University)

1. Purification of Antimicrobial Peptide Extracted from Goat's Heart and Lung Tissue. Mr. Tejas Gohil. Also JRF and SRF: ICMR project (2012-2015).
2. Isolation and Characterization of Anti-Microbial Peptides from various Blood Sources (*Capra Hircus*, *Gallus Gallus* and *Homo sapiens*). Mr. Himanshu J Toor.
3. Deciphering the B Lactamase genes in Enterobacters. Ms. Purvi Trivedi. *Continuing*
4. SSC Mec Element in *Staphylococcus aureus*. Mr. Vandan Mehta. *Continuing*
5. State Surveillance Program AMR, Gujarat GSFC Node: Ms. Siddhi Darzi

Memberships

The Society for Mitochondria Research and Medicine, India. The Indian Science Congress Association, India.

Syllabus committee, Gujarat Technical University for Biotechnology Subject.

Red Ribbon Club: National AIDS Control Organization, India, Coordinator. ARIBAS (2009-2014).

Awards and recognition

2001: Awarded M J Patani Gold Medal for excellence in Biochemistry B.Sc, C U Shah Science College, Gujarat University, Ahmedabad.

2008: SRF DBT-DST

2014: Awarded Gaurav Puraskar by Charutar Vidya Mandal for the work done on *Plastic Degradation*.

2017: State Level Entrance Test (SET)

Recommendations

1. Dr. Sarita Gupta: Ex-Head, Department of Biochemistry, The M S University of Baroda. Vadodara, Gujarat
2. Dr. Debjani Chakraborty: Senior Professor, Department of Chemistry, The M S University of Baroda.
3. Dr. Ramtej Verma: Head and Professor Zoology, School of Sciences, Gujarat University, Ahmedabad, Gujarat