



Ms. Purvi Trivedi,

Teaching Assistant, Industrial Microbiology (Biological Science)

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Education

Registered for PhD (2022) – GSFC University, Baroda

Title of Research “Characterization of OXA genes in *Acinetobacter baumannii*”

MSc (1999) – M.K. Bhavnagar University (Microbiology)

BSc (1997) – Sir P.P. Inst. Of Science, M.K. Bhavnagar University, Odisha

Key Skills

1. All Microbial techniques including Pure culture isolation, Identification, maintenance, Preservation, MIC count, Biochemical testing etc.
2. Immunological Techniques including Gel Electrophoresis, ELISA, Biochemical tests, PCR, DNA/RNA isolation, Northern blotting etc
3. Molecular medicine & Genetics including PCR, Gel Electrophoresis, Blotting etc.
4. Bioinformatics tools including Primer design, BLAST, Annotation etc.

Background

Joined GSFC University in October 2021

Scholarship and Accomplishments

She has worked in Research, Academics and Industry for more than 10 years in various capacity, and gained in depth understanding of each field.

In Academic field, she has worked as In – Charge of Microbiology Department and discharged duties of academic planning, implementation of curriculum as per the University norms, Laboratory Design and Construction, student counselling and mentorship, paper setting and evaluation as per University norms, syllabus design and implementation.

Currently she is working as Teaching Assistant in Biological Sciences, at GSFC University, Vadodara since October 2021. The subjects she has been teaching include Microbiology (Microbial genetics, physiology, medical microbiology and microbial diversity), Biotechnology (Bioprocess Technology, rDNA) and currently focusing on Bioinformatics field and have successfully conducted Laboratory Sessions in Bioinformatics, including basic tools in NCBI, Databases for protein and nucleotide sequencing, sequence alignment, BLAST analysis, primer designing and visualising software of Chimera.

She has worked as consultant Microbiologist and Internal Auditor Food and Hygiene Safety for HPC India Ltd, Sach Food Products Ltd, Mast Masala (Formerly Badshah Masala) and Kleinzaid Contamination Control Ltd.

She has also completed a course in Clinical research and has Certification in Clinical Research and Data Management (O grade) from Savitribai Phule Pune University, Pune.

She has expertise in Food Industry and Food Microbiology. She has following certification to her credit

Certification of Internal Auditor QMS ISO 9002:2015 conducted by SGS India

Certification of HACCP Level 3 conducted by SGS India

Certification of FSSC 22000/ISO 22000:2018 FSMS Lead Auditor training course by SGS India

Hands on training in Metagenomic Data Analysis organised by GBRC and GSBTM (Sept-2022)

Three Notable Publications

1. R. Pawar, A. Patel, S. Mishra, P. Shukla, A. Tewari, and P. K. Ghosh. (2002). Comparison of free amino acid content in cyanobacterial species under salinity stress *Seaweed Research and Utilization*. 24 (1): 159 – 164.
2. Presented a paper entitled “Bio sequestering of Chromium from Tannery Effluent by Halophilic Cyanobacteria” at International Congress of Chemistry and Environment (16-18 Dec. 2001, Indore M.P.) which was published in its proceedings.
3. Poster presented at International Conference on “Celebrating Proteins on the Birth Centenary of Dr G N Ramchandran” organised by Dept. of Biochemistry, Faculty of Science, M.S. University titled – “Role of water molecules at the binding site of Beta-lactamase with respect to Beta- lactamase inhibitor” – Siddhi Darji, Purvi Trivedi, Vandan Mehta, Devjani Banerjee” won third position and is communicated for publication.