

CURRICULUM VITAE

Personal Information

Name: Kava Devarsh Sudhirbhai

Address: C-403, Lakshmanrao Inamdar Township, Opposite Tapan Heights, Near Punit Nagar Water Tank, Vavdi, Rajkot

Mobile: +91 88663 62984

Date of Birth: 15th November 2002

Career Objective

A passionate and detail-oriented biotechnology postgraduate with hands-on experience in laboratory work and a strong foundation in experimental analysis and data recording.

Keen to contribute to research and development in the field of biosciences under the guidance of experts. Seeking to achieve professional excellence with advanced education and international exposure, while delivering consistent hard work and dedication to assigned projects.

Education

Master of Science in Biotechnology **Atmiya**

University, Rajkot (2023– 2025) CGPA: 8.09

Bachelor of Science in Biotechnology

Atmiya University, Rajkot (2020– 2023) CGPA: 8.

40 (A++ Grade)

Higher Secondary Education (12th – Science: PCB)

Dholakiya School, Rajkot – GSEB Board

Percentile Rank: 56 PR

Secondary Education (10th)

Dholakiya School, Rajkot – GSEB Board Grade:

A | Percentile Rank: 92.71 PR

Professional Experience

1. Enzyme Research Project (Fungal Source)

- **Media preparation: PDA, Czapek Dox Agar, Phenol Red Indicator**
- **Fungal isolation and screening from ripe fruits/vegetables**
- **Microscopic analysis using Lactophenol Blue**
- **Primary and secondary screening for L-Methionase activity**
- **Biochemical enzyme testing**

Guided by Dr. Anmol Kumar and PhD Scholar Roshni Rajpara

2. Thermophile-Based Enzyme Characterization

- **Isolation and optimization of *Prestia koreensis***
- **Thermus and nutrient broth media preparation**
- **Bioinformatics analysis (multiple sequence alignment for carbonic anhydrase)**
- **Enzyme detection using precipitation methods, Bradford assay, and plate-based techniques**

Guided by Dr. Chandragit Lahiri

Seminars & Training

- **Attended 1 National Webinar on current trends in biotechnology**
- **Attended 2 International Webinars focusing on the future of biotechnology**
- **Summer Training at a Food Testing Laboratory:**
 - **Water and food sample testing**
 - **Isolation of coliform bacteria, media preparation, gram staining**
 - **Techniques: slant and stab culture assays**
 - **Developed soft skills for interviews and scientific communication**

Technical Skills

- **Bioinformatics: BLAST, multiple sequence alignment, primer designing**

- **Molecular Biology:** DNA/RNA isolation (plants, bacteria, blood), DPA method, SDS-PAGE, blotting (Western, Northern)
- **Immunology:** ELISA, RIA, ODD assay, radial immunodiffusion
- **Microbiology:** Staining (endospore, capsule, mitochondria), WBC/RBC count, microbial screening
- **Biotech Techniques:** Tissue culture, plasmid isolation, phosphate-solubilizing bacteria detection
- **Analytical:** Enzyme assays, protein and lipid droplet analysis

Hobbies

- Reading spiritual scriptures
- Listening to music
- Chanting the holy names of God

Areas of Interest

- Performing and teaching laboratory experiments
- Data analysis and result validation
- I am also interested in working with pharmaceutical industry

Reference

1. Dr. Anmol Kumar

Assistant Professor, Department of Biotechnology

Atmiya University , Rajkot ,Gujarat

2. Dr. Shweta Bhatt

Assistant Professor, Department of Biotechnology

Atmiya University, Rajkot, Gujarat

3. Dr. Praveen Gupta

Assistant Professor, Department of Biotechnology

Atmiya University , Rajkot, Gujarat

4. Dr. Preetam Joshi

Associate Professor, Department of Biotechnology

Atmiya University, Rajkot, Gujarat

5. Dr. Chandrajeet Lahiri

Professor, Department Of Biotechnology

Atmiya University, Rajkot, Gujarat