



VAISHNAVI KULKARNI

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Objective

M.Sc. Zoologist with an exceptional academic record (87.2% B.Sc. merit) specializing in Cellular Architecture and Quantitative Field Ecology. Expertise in fundamental histological techniques and statistical documentation. Successfully designed and executed an independent physiological research project involving 160 human subjects. Seeking to transition into a Research Assistant or Lab Technician role where proven analytical and technical proficiencies can advance scientific initiatives. Seeking a challenging role as a Research Assistant, Lab Technician, or Biology Educator to leverage strong field sampling and observation skills and contribute to scientific advancement or academic excellence.

Education

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|---|-------------|
| • Karnataka State Akkamahadevi Women's University, Vijayapura | 2025 |
| M. Sc. Zoology | |
| 81.41 | |
| • S. B. Arts and K. C. P. Science college, Vijayapura Rani channmma University | 2023 |
| B. Sc. CBZ | |
| 87.2% | |
| • Unique computer institute, Vijayapura | 2022 |
| MS office | |
| 60% | |
| • Jawahar Navodaya Vidyalaya, Almatti, Vijayapura | 2020 |
| 12th | |
| 89% | |
| • Jawahar Navodaya Vidyalaya, Almatti, Vijayapura | 2018 |
| 10th | |
| 82% | |
| • Banjara B.P.Ed College, Vijayapur | |
| B.Ed. | |
| Ongoing B.Ed. | |

Skills

- Teaching abilities
- MS Word and PowerPoint
- Strong writing and critical thinking
- Strong presentation skills
- Data & Analysis: Statistical Documentation, Data Recording/Analysis utilizing MS Excel
- Report writing and scientific documentation

- Professional Skills: Proven ability in Teamwork, Time Management, and Critical Observation with a commitment to continuous learning and adaptations, Field sampling and ecological observation
- Laboratory Expertise: Proficiency in Histological Techniques (staining, sectioning, microscopy), Sterile Technique, and Sample Preparation for cell biology and architectural study
- Ecological Methodology: Quantitative Field Sampling, Bioindicator Analysis (non-EPT taxa), Water Quality Assessment, and advanced specimen collection/ preservation.
- Analytical & Technical Proficiencies:
 - *Prompt Engineering (e.g., for Generative AI/LLMs)
 - *Constraint-Based Evaluation & Rubric Writing

Projects

- **Academic Project / Dissertation- Title: Aquatic Insect Diversity in the Absence of EPT Taxa as Indicators of Water Quality**

Conducted a comparative ecological study to assess freshwater health by focusing on the Diversity of non-EPT Aquatic Insect Taxa (e.g., water striders, dragonfly larvae). Analyzed collected data from two key sites (Karnataka State Akkamahadevi Women's University and FRIC Bijapur), successfully identifying key species that serve as Bioindicators of local water quality.
- **Field Work- Study on Gender Differences in Bleeding Time and Clotting Time**

Led and executed a comprehensive field study involving 160 human subjects (80 male, 80 female, aged 18-30) to rigorously analyze gender-based differences in clotting and bleeding time (CT/BT). Applied standardized methods (Duke's method for BT and the capillary method for CT) to ensure data consistency and reliability across multiple college sites in Vijayapur. Analyzed and documented the findings, concluding that female subjects exhibited statistically longer BT and CT than males, indicating distinct physiological regulatory mechanisms.
- **Certifications & Training**

Participated in the Training Program on Value Added Fish Products Demonstration conducted by Fisheries Research & Information Centre (FRIC), Bhootnal, Vijayapur under KVAFSU

Experience

- Fresher

Language

- English
- Kannada
- Hindi