

Manasa Bhat

Lecturer

Department of Post Graduate Studies in Zoology,
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EDUCATION

Passing year	Education	College/ School	University/ Board	Percentage
2021-23	Master of science: Applied Zoology	Alva's College, Moodubidire	Mangalore University	7.98 CGPA
2018-21	Bachelor of science: Botany, Zoology, Chemistry	Mahatma Gandhi Memorial College, Udupi	Mangalore University	89.92%
2016-18	PU: Physics, Chemistry, Mathematics, Biology	Mahatma Gandhi Memorial College, Udupi	Department of Pre-University Education	79.6%
2016	S.S.L.C	T A PAI English Medium High School, Kunjibettu	Karnataka Secondary Education Examination Board	90.08%

PROFESSIONAL EXPERIENCE

- **Lecturer:** Since 2023
Department of PG Studies in Zoology, Alva's College, Moodubidire- 574 227
Subjects taught: Comparative anatomy, Molecular cell biology, Fisheries and aquatic biology and Biology of immune system.
- 2022-23: "**Student faculty**"- B. Sc. Zoology, Alva's College, Moodubidire.

RESEARCH ACTIVITIES:

- Paper presentations: 03

PAPER PRESENTATIONS:

- **Manasa Bhat**, Varsha I Sutar and Rashmi K. (2024), Potential use of superworm (*Zophobas morio*) frass as a biofertilizer: An innovative approach to achieve a sustainable circular economy- In one day Alumni Sponsored National Conference on “Biological Innovations for Sustainable Future” held during 19th April 2024, organized by Alva’s College, Moodubidire. [**ORAL**]
- **Manasa Bhat**, Maneetha T K, Rashmi k. (2024), Impact of habitat loss on biodiversity- A case study in Katapady- In Two-day national seminar on “Biodiveristy conservation impact of anthropogenic activity and climate change” organized by department of zoology and botany, MGM College, Kunjibettu, Udupi on 15th and 16th March 2024. [**ORAL**]
- **Manasa Bhat**, Manasa K L and Shruthi S (2022), reviewed a paper on “Role of mitochondria in cancer induction, progression and therapy”- In National conference “Advances in mitochondrial research: from bench to beside” organized by Alva’s College & SMRM on 19th August 2022. [**POSTER**]

ACHIEVEMENTS

- **Presented a paper (oral) entitled** “Potential use of superworm (*Zophobas morio*) frass as a biofertilizer: An innovative approach to achieve a sustainable circular economy” and won **First prize in Oral presentation and best paper award** in one day Alumni Sponsored National Conference on “Biological Innovations for Sustainable Future” held during 19th April 2024, organized by Alva’s College, Moodubidire.
- 2022-23: **Secretary of the Departmental Research Forum, JIJNASA**, Department of PG Studies in Applied Zoology, Alva’s College, Moodubidire.
- **Third place** in quiz competition conducted by Mangalore University, Mangalagangothri on 25th July 2022.

PROJECTS

- “Assessment of nutritional value of superworm (*Zophobas morio*) larvae with its role in biodegradation of polystyrene and use of its frass as biofertilizer” 2023.
- Individual work on “Life history of tawny coster butterfly” 2020-21.
- “A project report on study of ecosystem in Mattu village” 2020-21.
- “Diversity of Insects in Katapady” 2020-21.

LANGUAGES

English | Kannada | Tulu | Hindi

SKILLS AND EXPERTISE

- Teaching and instruction, student evaluation and assessment, classroom management, curriculum development, e class, report writing.
- Analytical techniques- DNA Extraction, Good laboratory practices, Electrophoresis, RNA isolation, Bioinformatics, Tissue culture.
- Anatomy and entomology based- dissection, insect specimen mounting and preservation
- Instrumentations- Hot air oven, laminar air flow, centrifuge, chromatography, incubator, muffle furnace, colorimeter

COMPUTER/ SOFTWARE KNOWLEDGE

- Excel, Microsoft word, Power point, BLAST, FASTA, EMBOSS, NCBI.

INTERNSHIP

- People for Animals, Bangalore, Karnataka. (10/10/2022 – 10/11/2022)

COURSES

- 8-week NEPTEL certification and FDP course on **Neuroscience** organized by IIT Madras, April 2024.
- 12-week NEPTEL certification and FDP course on **Biochemistry** organized by IIT Kharagpur, April 2024.
- 4-week NEPTEL certification and FDP course on **Introduction to Professional Scientific Communication** organized by IIT Kanpur, March 2024.
- **Plant tissue culture**, UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION, Mangalore University, May 2019.

ORIENTATION/ TALK PRESENTED:

- **Talk** on “Identification of butterflies: II MSc Zoology” organized by Department of PG Studies in Applied Zoology on 6th July 2023.
- “**Talk** on Life history of tawny coster butterfly: MSc Zoology” organized by Department of PG Studies in Applied Zoology under JIJNASA Research Forum on 14th December 2022.
- “**Orientation program** for final year BSc student’s: Identification of insects” organized by Department of PG Studies in Applied Zoology under Zoovaividhya Forum on 20th November 2022.
- **Oral presentation** on “Diversity of insects” in PfA, Bangalore on 8th November 2022.
- “**Orientation program** for final year BSc student’s: Identification of insects” organized by Department of PG Studies in Applied Zoology under Zoovaividhya Forum on 2021.

WORKSHOPS/ CONFERENCES/ SEMINARS/ WEBINARS ATTENDED:

- National conference on “Biological Innovations for sustainable future” organized by department of biotechnology, Alva’s College, Moodubidire on 19th April 2024.

- Two-day national seminar on “Biodiversity conservation impact of anthropogenic activity and climate change” organized by department of zoology and botany, MGM College, Kunjibettu, Udupi on 15th and 16th March 2024.
- Webinar: “Knowledge is power: Unveiling Women’s Vaginal and Sexual Health Insights” by Olivia T. Van Gerwan, MD, MPH organized by labroots on 14th February 2024.
- Webinar: “Histology hacks for cryosectioning” by Marla Rivera-Oliver, PhD organized by labroots on 14th February 2024.
- Participated in Guest lecture on “Sustainable development” organized by department of PG studies in botany, Alva’s College, Moodubidire on 15th December 2023.
- Training program: “FDP- Faculty development program” organized by department of humanities, Alva’s College, Moodubidire on 11th October 2023.
- Participated in “National wildlife week- photo exhibition” organized by Alva’s College on 4th October 2023.
- Training program: “IP Awareness/ training program: National intellectual property awareness mission” organized by Alva’s College on 6th February 2023.
- National conference: “Advances in mitochondrial research: from bench to bedside” organized by Alva’s College & SMRM on 19th August 2022.
- International lecture workshop on “DNA Damage and repair in human health and scientific breakthrough in Indian context” organized by Dept. of Applied Zoology, Mangalore University on 25th July 2022.
- Two days national workshop on “Animal diversity and Taxonomy” organized by Dept. of Applied Zoology, Mangalore University during 28th February and 1st march 2022.
- National level online workshop: “Recent developments in research and methodology” on 4 August 2021 organized by MGM College, Udupi.

- Online workshop: “Chemistry without boundary, career, research and entrepreneurship” on 30 June 2021 organized by MGM College, Udupi.
- Webinar: “Forensic chemistry: In pursuit of justice” on 25th June 2021 organized by MGM College, Udupi.

OTHER INFORMATION:

- Volunteer at “**International cultural jamboree of scouts and guides**” during 21st – 27th December 2022 at Alva’s College, Moodubidire.

REFERENCES

Dr. Rashmi K,
Coordinator and Head of the Department,
Department of Applied Zoology Alva’s College,
Moodubidire.
rashmirajk82@gmail.com, 9448427991

Dr. Shruthi S,
Assistant Professor,
Department of Applied Zoology Alva’s College,
Moodubidire
shruthisujnan@gmail.com, 8884826385

DECLARATION

I hereby declare that above given statements are true and correct to my knowledge and belief.

MANASA BHAT