

◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE



[Dr. Jyoti Ashok Kumbar]

[Assistant Professor] • [Zoology]

Highest Qualification: [Ph. D]

Specialization: [Neuroendocrinology]

Official College Email: [jyotikumbar@nowrosjeewadiacollege.edu.in]

PROFESSIONAL SNAPSHOT

Passionate and research-driven Zoology Lecturer holding a Ph.D. with a core specialization in Neuroendocrinology. Proven research capability demonstrated through hands-on contributions to a prestigious DST-funded project. Adept at translating complex concepts in Cell Biology, Ichthyology, and advanced endocrine mechanisms into engaging, student-centered curriculum. Committed to inspiring the next generation of biologists and leveraging advanced research insights to contribute to departmental excellence.

EDUCATION

Qualification	University / Institution	Year
BSc	Arts, Commerce and Science College, Palus	2016
MSc	Shivaji University, Kolhapur	2018
PhD	Karnatak University, Dharwad	2023

TEACHING & ACADEMIC INTERESTS

- Core Subjects: Cell Biology | Ichthyology | General Zoology
- Specialized Research Area: Neuroendocrinology (Brain-Endocrine Interactions & Hormone Pathways)
- Academic Focus: Laboratory Techniques | Comparative Animal Physiology | Student Research Mentorship

RESEARCH & PUBLICATIONS

Research Area: [Neuroendocrinology]

Selected Publications:

- Jyoti Kumbar, Ganesh C.B., 2021. **Alpha-melanocyte stimulating hormone immunoreactivity in the brain of the cichlid fish *Oreochromis mossambicus*.** *Neuropeptides*. 87, 102-128. (Impact factor: 3.286).
- Jyoti Kumbar, Ganesh C.B., 2022. **The effect of α -MSH treatment on the hypothalamic-pituitary-ovary axis in the cichlid fish *Oreochromis mossambicus*.** *Fish Physiology and Biochemistry*. 47(7), 1659–1668. (Impact factor: 3.048).
- Jyoti Kumbar, Ganesh C.B., 2022. **Organization of the Melanin concentrating hormone secreting neuronal system in the brain of the cichlid fish *Oreochromis mossambicus*.** *Journal of Chemical Neuroanatomy*. 124(2), 102-141. (Impact factor: 3.052).

Research Profile: [Jyoti Ashok Kumbar-ResearchGate]

CONFERENCE & SEMINAR

1. Poster presentation on topic entitled, **Urotensin-I like immunoreactivity in the caudal neurosecretory system (CNSS) of the cichlid fish *Oreochromis mossambicus***. *National Seminar on Current Research in Development and Reproduction* sponsored by UGC-SAP, New Delhi, held at Department of Zoology, Karnatak University, Dharwad, Karnataka.
2. Poster presentation on topic entitled, **Effect of Urotensin-I on the hypothalamic-pituitary-ovary axis in the cichlid fish *Oreochromis mossambicus***. *National Conference on Recent Advances in Developmental and Reproductive Biology* sponsored by DBT, New Delhi, held at ACS College, Palus (Shivaji University, Kolhapur), Maharashtra.
3. Poster presentation on topic entitled, **The influence of MCH1 receptor antagonist during reproductive stress response in the cichlid fish *Oreochromis mossambicus***. *International Conference on Reproductive Biology, Comparative Endocrinology and Development* organized by SRBCE, held at **CCMB, Hyderabad, Telangana**.

ACADEMIC RESPONSIBILITIES

- **Lecture Delivery & Design:** Developed and delivered engaging lectures on core **Zoology** topics, integrating multimedia tools to simplify complex physiological pathways.
- **Laboratory Instruction:** Directed practical lab sessions, training students in **dissection and bioscience assays** while strictly enforcing biosafety protocols.
- **Assessment & Mentorship:** Formulated examinations, evaluated academic performance, and provided dedicated mentorship to students on research projects and career pathways.