

◆ MODERN EDUCATION SOCIETY'S ◆
NOWROSJEE WADIA COLLEGE, PUNE
FACULTY ACADEMIC PROFILE



Dr. Swapnil Chandrakant Supekar

Assistant Professor • Zoology

Highest Qualification: Ph.D.

Specialization: Zoology, Behavioral Ecology

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PROFESSIONAL SNAPSHOT

My teaching experience spans undergraduate and postgraduate courses in Zoology with more focus on animal systematics, genetics, molecular biology, biochemistry, genetic toxicology, organic evolution etc. I am interested in studying prey–predator interactions in amphibian behavioral ecology. The key scientific areas include investigation on how anuran larvae (tadpoles) recognize predators and predation cues, develop learning memory, and undergo physiological or morphological changes under environmental stress and predator exposure.

EDUCATION

Qualification	University / Institution	Year
B. Sc. Zoology	Savitribai Phule Pune University, Pune	2006
M. Sc. Zoology	Department of Zoology, Savitribai Phule Pune University, Pune	2008
MH-SET (Life Sciences)	MH-SET conducted by Savitribai Phule Pune University as State Agency,	2013
Ph. D. Zoology	Department of Zoology, Savitribai Phule Pune University, Pune	2018

TEACHING & ACADEMIC INTERESTS

• Molecular Biology • Animal Systematics and Diversity • Organic Evolution • Genetics • Genetic toxicology • Biochemistry and Metabolic pathways • Behavioral Ecology

RESEARCH & PUBLICATIONS

- Gramapurohit, N. P., Wadekar N. V., Joshi A. M., and **Supekar, S. C. (2025)** Determining sensitive stages of larval development to predation risk in *Indosylvirana indica*. (Behavioral Ecology and Sociobiology).
- **Supekar, S. C.**, and Gramapurohit, N. P. **(2024)** Carry-over effects of embryonic predation risk on larval growth, behavior, morphology, and metamorphic traits of *Euphlyctis cyanophlyctis*. (Behavioral Ecology and Sociobiology).
- **Supekar, S. C.**, and Gramapurohit, N. P. **(2023)** Does atrazine interfere with predator recognition in the larval skipper frogs (*Euphlyctis cyanophlyctis*)? (J. of Experimental Zoology A).
- **Supekar, S. C.**, and Gramapurohit, N. P. **(2022)** Experience window influences development and retention of memory to recognise predators in the larval skipper frogs. (Current Science)
- **Supekar, S. C.**, and Gramapurohit, N. P. **(2020)** Does temporal variation in predation risk affect antipredator responses of larval skipper frogs (*Euphlyctis cyanophlyctis*)? (Canadian Journal of Zoology)
- **Supekar, S. C.**, and Gramapurohit, N. P. **(2020)** Do antipredator responses of *Euphlyctis cyanophlyctis* tadpoles depend on the intensity of predation risk. (Aquatic Ecology)
- **Supekar, S. C.**, and Gramapurohit, N. P. **(2018)** Larval skipper frogs recognize kairomones of certain predators innately. (J. of Ethology)

- **Supekar, S. C.**, and Gramapurohit, N. P. **(2017)** Can embryonic skipper frogs (*Euphlyctis cyanophlyctis*) learn to recognize kairomones in the absence of nervous system? (J. of Biosciences).
 - Gramapurohit, N. P., **Supekar, S. C.** and Joshi A. M., **(2026)** Glucocorticoid response of larval anurans to predation risk and its effects on antipredator behaviour, growth and metamorphosis (Accepted research paper: Springer Journal: Proceedings of the Indian National Science Academy)
- Research Profile:** a) ORCID: <https://orcid.org/0000-0002-2464-2302>;
- Google Scholar:** <https://scholar.google.com/citations?user=qPRplawAAAAJ&hl=en>

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT

- **Award:** a) Young Scientist award given by Zoological Society of India, Gaya, b) Ph.D. research fellowship recipient of UGC-CAS Phase-III.
 - **Selected/Oral talks** in International Conferences: 10
 - **Workshops/ Seminars/ Webinars/ Symposia/ Quiz competitions** organized: 8
 - **Invited talks** in lecture series/ workshops: 12
 - **FDP:** Seven days MS-DEED Level Workshop on Introduction to Innovative Pedagogies organized by Maharashtra State Faculty Development Academy, Pune in Collaboration with IISER, Pune.
 - **Academic contribution:** 1. Resource person: Science Olympiad, 2. Reviewer - a) Research Journals: Aquatic Ecology (Springer Nature, January, 2023), MDPI Journal (Since, November, 2024), Acta Herpatologica (Firenze University Press, Since, July, 2025) b) British Ecological Society: Small Research Grant (£5,000) Proposals (Since, August, 2024)
 - **Scientific Membership:** a) International Society: The Association for the Study of Animal Behaviour, UK. b) Society for the study of Evolution, 4344 Shaw Blvd St. Louis, MO 63110, USA. c) Wild Animal Initiative (Research Community), Minneapolis, MN, USA. d) Association of Teachers in Biological Sciences (ATBS), India e) Animal Behavior Collective-NGO, UK f) The ALBA Network, rue d'Egmont 11-1000 Brussels, Belgium
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