

Dr. Abhay Subhash Morajkar

Designation: Assistant Professor

Department: Zoology

Contact Information

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Educational Background

- Ph.D., Zoology , University of Mumbai, 2014
 - MSc, Zoology, University of Mumbai, 2010
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Areas of Expertise / Research Interests

- Drug Discovery & Enzymes
 - Research and Development
 - Clinical Research
 - Advanced Hematology
 - Histopathology
 - Cell biology,
 - Animal physiology
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Teaching Interests

- Cell Biology, Hematology, Toxicology, Developmental Biology, Pathology
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Professional Experience

- Assistant professor, VPM,s B. N. Bandodkar college of Science, (Autonomous) Thane – 400601. , 12yrs
 - Coordinator: Avishkar Research Convention
 - Coordinator: Placement cell
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Publications & Research

- Bansode, S., Morajkar, A., Ragade, V., More, V., & Kharat, K. (2025). Challenges and considerations in forensic entomology: A comprehensive review. *Journal of Forensic and Legal Medicine*, 110, 102831. <https://doi.org/10.1016/j.jflm.2025.102831>
- Ragade, V., Kengar, A., Morajkar, A., et al. (2024). The efficacy of *Ocimum sanctum* (Linn.) leaves extract exhibiting anti-fertility activity in male albino mice. *African Journal of Biological Sciences*, 6(5), 9314–9322. <https://doi.org/10.48047/AFJBS.6.5.2024.9314-9322>
- Morajkar, A., Sharma, B., & Kharat, K. (2022). Ameliorative effect of *Pongamia pinnata* on histopathology of vital organs involved in the alloxan induced diabetic rats. *Journal of Herbs, Spices & Medicinal Plants*, 1–11. <https://doi.org/10.1080/10496475.2022.2116623>
- Morajkar, A. S., Sharma, B. B., & Kharat, K. R. (2021). Antihyperglycemic efficacy of *Pongamia pinnata* (L.) Pierre against alloxan induced diabetic rats and its correlation with phytochemical screening. *Journal of Applied Sciences*, 21(2), 51–64. <https://doi.org/10.3923/jas.2021.51.61>
- Morajkar, A. S., Sharma, B. B., & Kharat, K. R. (2021). In vivo analysis of *Pongamia pinnata* on glucose, lipid and liver in diabetic rats. *Journal of Biologically Active Products from Nature*, 11(4), 406–412. <https://doi.org/10.1080/22311866.2021.1955740>
- Rathod, S. D., Morajkar, A. S., & Lohar, P. N. (2019). Surficial emergence of *Boleophthalmus dussumieri* (Val., 1837) synchronized with tidal oscillation on the silted intertidal mudflats of Ulhas River estuary. *International Journal of Advance & Innovative Research*, 6(2-III), April–June. (UGC Approved Journal No. 63571)
- Rathod, S. D., Morajkar, A. S., & Lohar, P. N. (2019). Behavioural studies of *Boleophthalmus dussumieri* (Val., 1837) on the silted intertidal mudflats of Ulhas River estuary. *International Journal of Advance & Innovative Research*, 6(1-XXXV), January–March. (UGC Approved Journal No. 63571)
- Morajkar, A., Golba, M., et al. (2016). Frequency distribution of ABO, RH blood groups from the individuals of Mumbai. *Bionano Frontier*, 9(2), July–December. <http://www.bionanofrontier.org>
- Morajkar, A. S., Hardikar, B., & Sharma, B. (2015). Hepatoprotective effects of crude extracts of *Pongamia pinnata* in alloxan induced diabetic albino Wistar rats.

International Journal of Zoological Research, 11(2), 37–47.

<https://doi.org/10.3923/ijzr.2015.37.47>

Patent

- **German Patent - 2021 (A61K 36/48)** Published Governing Body: The President of the German Patent and Trademark

Patent Research Projects / Grants

1. Mumbai University Minor Research Project (2019 – 20)

“Analysis of the bioactive chemical compounds from the leaves, stem and seeds of the Pongamia pinnata (L.) with special reference to the antioxidant and anti-inflammatory action.”

2. UGC Minor Research Project (2013 – 14)

“Evaluation of Pongamia Pinnata extracts for its hypoglycemic and antioxidant effect on Alloxan induced diabetes in experimental rats.”

- Under guidance of Dr. Bharat Bhushan Sharma

3. Mumbai University Minor Research Project (2011 – 12)

“To evaluate the effect of crude extracts of Pongamia pinnata as an antidiabetic and to reduce the complications of diabetes mellitus” (Doctorate level).

4. Drug Monitoring Research Institute (DMRI) Project (2009)

BA / BE study of Betahistine Dihydrochloride on healthy patients.

Awards & Recognitions

- ☐ Research **Fellowship, Scholarship and Studentship** – University of Mumbai, 2012–2014.
- ☐ Research **Fellowship** – Bombay Hospital & Medical Research Center, 2012–2013.
- ☐ Post **Graduate Scholarship** – University of Mumbai, 2008–2010.