

Sayali Dilip Sheth, Ph.D.

Assistant Professor, Department of Zoology, Prof. Ramkrishna More College, Akurdi, Pune-44, India

Email: saylisheth@gmail.com

Phone: +91-9604045776

LinkedIn URL: www.linkedin.com/in/sayali-sheth-153a6325

ResearchGate: https://www.researchgate.net/profile/Sayali_Sheth



Professional Preparation

- 2021–2023 **Research Associate**
National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bengaluru, Karnataka, India
Supervisor: Dr. Krushnamegh Kunte
- 2014–2019 **Doctoral student (Environmental Science)**
Savitribai Phule Pune University, Pune, Maharashtra, India
Thesis title: 'Diversity, Distribution and Ecology of aquatic Coleoptera in and around Pune.'
Supervisor: Dr. Anand Padhye, Dr. Hemant V. Ghate and Dr. Neelesh Dahanukar
- 2012–2013 **Project student**
Agharkar Research Institute, Pune, Maharashtra, India
Topic: 'The effect of change in microbial load of *Hydra* on the septic wounding inducible genes of different *Hydra* species.'
Supervisor: Dr. Surendra Ghaskadbi
- 2011–2012 **Project student** (Continuation of M.Sc. project)
Department of Zoology, Savitribai Phule Pune University, Pune, Maharashtra, India
Topic: 'Cloning and expression of Redox domain of *Homo sapiens* and *Mus musculus* Apurinic/Apyrimidinic endonuclease1 (APE-1) in *E. coli*.'
Supervisor: Dr. Saroj Ghaskadbi
- 2009–2011 **M.Sc. Zoology** (Master of Science) (**Grade point average: 5.4/6**)
Department of Zoology, Savitribai Phule Pune University, Pune, Maharashtra, India
M.Sc. dissertation: 'Cloning and expression of Redox domain of *Homo sapiens* and *Mus musculus* Apurinic/Apyrimidinic endonuclease1 (APE-1) in *E. coli*.'
Supervisor: Dr. Saroj Ghaskadbi
- 2006–2009 **B.Sc. Zoology** (Bachelor of Science) (**Rank holder: 2nd rank**)
Department of Zoology, Sir Parashurambhau College, Pune, Maharashtra, India

Scientific Publications

- 2021 **Sheth SD**, Ghate HV, Dahanukar N, Hájek J. 2021. Integrative taxonomic review of the genus *Peschetius* (Coleoptera, Dytiscidae, Hydroporinae) from India with description of two new species. **Arthropod Systematics & Phylogeny** 79: 535–553. <https://doi.org/10.3897/asp.79.e68203>
- 2021 **Sheth SD**, Padhye AD, Ghate HV. 2021. Effect of environment on functional traits of co-occurring water beetles. **Annales de Limnologie** 57: 1–14. <https://doi.org/10.1051/limn/2020030>
- 2021 **Sheth SD**, Ghate HV, Dahanukar N, Hájek J. 2021. The first hygropetric species of *Microdytes* J. Balfour-Browne, 1946 (Coleoptera: Dytiscidae) from the Western Ghats, India. **Oriental Insects** 55: 254–266. <https://doi.org/10.1080/00305316.2020.1787903>
- 2020 **Sheth SD**, Ghate HV, Fikáček M. 2020. Review of *Coelostoma* of the Indian subcontinent (Coleoptera: Hydrophilidae) Part 1: *Coelostoma* s. str. and *Holocoelestoma*. **European Journal of Taxonomy** 690: 1–32. <https://doi.org/10.5852/ejt.2020.690>
- 2019 **Sheth SD**, Padhye AD, Ghate HV. 2019. Factors affecting aquatic beetle communities of northern Western Ghats of India. **Annales de Limnologie** 1:1–12. <https://doi.org/10.1051/limn/2018030>
- 2018 **Sheth SD**, Ghate HV, Hájek J. 2018. *Copelatus* Erichson, 1832 from Maharashtra, India, with description of three new species and notes on other taxa of the genus (Coleoptera: Dytiscidae: Copelatinae). **Zootaxa** 4459: 235–260. <https://doi.org/10.11646/ZOOTAXA.4459.2.2>
- 2016 **Sheth SD**, Ghate HV, Van Vondel BJ. 2016. Illustrated redescription of *Haliphus* (*Liaphlus*) *arrowi* Guignot, 1936 (Coleoptera: Halipidae) from the Western Ghats, India, and notes on the closely related *H. angustifrons* Régimbart, 1892. **Zootaxa** 4127: 355–364. <https://doi.org/10.11646/zootaxa.4127.2.7>
- 2015 Kulkarni MR, Padhye S, Vanjare AI, Jakhalekar SS, Shinde YS, Paripatyadar SV, **Sheth SD**, Kulkarni S, Phuge SK, Bhakare K, Kulkarni AS, Pai K, Ghate HV. 2015. Documenting the fauna of a small temporary pond from Pune, Maharashtra, India. **Journal of Threatened Taxa** 7: 7196–7210. <https://doi.org/10.11609/JoTT.o4190.7196-210>
- 2014 **Sheth SD**, Ghate HV. 2014. A report of an aquatic beetle *Eretes griseus* (Fabricius, 1781) (Coleoptera: Dytiscidae: Dytiscinae: Eretini) from the Western Ghats and other parts of Maharashtra, India. **Journal of Threatened Taxa** 6: 6571–6575. <https://doi.org/10.11609/JoTT.o4036.6571-5>



HARVARD
Museum of Comparative Zoology



NÁRODNÍ MUZEUM



Institutes and funding agencies so far

Grants

2021–2022	Ernst Mayr Travel Grant , Harvard Museum Of Comparative Zoology, Massachusetts, USA
2018	Ernst Mayr Travel Grant , Harvard Museum Of Comparative Zoology, Massachusetts, USA
2012–2017	JOINT CSIR-UGC NET , Centre for Scientific and Industrial Research (CSIR) University Grants Commission, Delhi, India

Museum work experience

02–03/2022	Museum work I studied museum specimens at the Department of Entomology, Národní Museum, Prague , courtesy of Ernst Mayr travel grant 2021 .
07–08/2018	Museum work I studied museum specimens at the Department of Entomology, Národní Museum, Prague , courtesy of Ernst Mayr travel grant 2018 .
10–11/2016	Museum work I studied museum collections at the Department of Entomology, Národní Museum, Prague with Dr. Jiří Hájek and Dr. Martin Fikáček to solve taxonomic problems related to the genera <i>Copelatus</i> and <i>Coelostoma</i> , as a part of my Ph. D thesis.

Conferences and Workshops (recent)

2022	Genetics of Adaptation (The Society for Molecular Biology and Evolution Everywhere Global Symposia) hosted by the National Centre for Biological Sciences , Bengaluru, India
2021–2022	Grant Writing and Management: An insight into German Research Landscape, Max Planck Gesellschaft and University of Cologne (virtual platform)
2019	Aquatic Ecosystems: Sustainability and Conservation held in Indian Institute Fundamental and Educational Research , Pune, India
2018	Systematics of Beetles hosted by Czech University of Life Sciences , Prague, Czech Republic
2017	International Biogeography Society meeting (IBS), Bengaluru, India

Community engagement experience (invited resource person)

2020	Scientific drawing using Inkscape , Biologia Life Science LLP, Ahmednagar, India
2020	Certificate Course in Limnology , Department of Zoology, Modern College of Arts, Science and Commerce, Pune in collaboration with Institute of Natural History Education and Research, Pune India
2020	Certificate Course in Animal Systematics , Department of Zoology, Modern College of Arts, Science and Commerce, Pune, India
2019	Certificate Course in Limnology , Department of Zoology, Modern College of Arts, Science and Commerce, Pune in collaboration with Institute of Natural History Education and Research, Pune, India
2015–2019	Assistive practical in Limnology , Department of Zoology, Abasaheb Garware College, Pune, India

Research interests

Life Sciences | Biodiversity Genomics | Water beetles | Molecular ecology | Environmental Science | Evolution | Building Natural History Museum in India | Biogeography | Freshwater conservation | Scientific writing

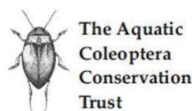
Skills

Ecology | Basic bio-statistics | Multivariate analyses | R Script | DNA isolation | PCR amplification | RT–PCR | cDNA synthesis | Molecular cloning | Molecular analyses | Curation of museum specimens | Digital documentation of museum collections | Taxonomy of water beetles | Manuscript writing | Technical writing | Time management | Quality assurance | Attention to detail

Languages

English | Marathi | Hindi

Memberships



2019–present



2019



2018



2017