



Curriculum vitae

Personal

Name: Dr. Shaha Chaitali Manojkumar

Date of Birth: 12th September, 1992

Address: 25/314 Netaji Nagar, Wanowrie, Pune-411040

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Education

2017- 2022, PhD in Zoology, Department of Zoology, Savitribai Phule Pune University

2016- Qualified CSIR-UGC NET JRF (AIR 47), CSIR-UGC NET LS (AIR 35)

2015 - Cleared Graduate Aptitude Test of Engineering (GATE) (AIR 364)

2013 - 2015, M.Sc. Zoology, Department of Zoology, Savitribai Phule Pune University, Pune

2010 - 2013, B.Sc. Biotechnology, Abasaheb Garware College of Arts and Science, Pune

2008-2010, Higher Secondary School, H.V. Desai College of Arts, Science and Commerce, Pune

2008, Secondary School, Mount Carmel Convent High School, Pune

Research highlights

2017 – 2022, Putative effect of xenobiotics on esterases of bacterial flora from *Chironomus circumdatus* (bloodworms)

Dec 2014 – Feb 2016, Developmental stage specific rhodopsin expression in *Chironomus ramosus*

June 2012 – March 2013, Characterization and purification of Alkaline Phosphatase (enzyme) from plant source (*Vigna unguiculata*)

Skills

Microsoft PowerPoint, Word and Excel, Teaching, Analytical skills, Appreciable communication.

Publications

1. **Chaitali Shaha**, Mudassir Dar and Radhakrishna Pandit (2022). Mining the diversity and functional profile of bacterial symbionts from the larvae of *Chironomus circumdatus* (bloodworms). **Folia Microbiologica**.
<https://doi.org/10.1007/s12223-022-00984-3> (**Impact factor-2.629**)
2. **Chaitali Shaha** and Radhakrishna Pandit (2022). Bio-based versus synthetic: Comparative study of plasticizers mediated stress on *Chironomus circumdatus* (Diptera – Chironomidae). **Ecotoxicology**. 31(3):385-395.
doi: 10.1007/s10646-021-02516-0. PMID: 35083604 (**Impact factor- 2.935**).
3. **Chaitali Shaha** and Radhakrishna Pandit (2021). Characterization of an Esterase Producing Bacterium from the Gut of *Chironomus circumdatus* (Bloodworms) and its Ability to Use Modified Phthalates. **Current Microbiology**.
<https://doi.org/10.1007/s00284-021-02574-x> (**Impact factor- 2.343**).
4. **Chaitali Shaha** and Radhakrishna Pandit (2020). Biochemical and molecular changes mediated by plasticizer diethyl phthalate in *Chironomus circumdatus* (bloodworms).

Comparative Biochemistry and Physiology, Part C, 18650.
<https://doi.org/10.1016/j.cbpc.2019.108650> (**Impact factor- 4.52**).

5. Jyoti Chintalchere, Mudasir Dar, **Chaitali Shaha**, Radhakrishna Pandit (2020). Impact of essential oils on *Musca domestica* larvae: oxidative stress and antioxidant responses. **International Journal of Tropical Insect Science**, 41, 821-830.
doi: 10.1007/s42690-020-00272-y (**Impact factor- 1.020**).

Oral and poster presentations

- **Putative bacterial enzymes involved in xenobiotic biotransformation in *Chironomus circumdatus***, Department of Biotechnology, AKS University, Satna, Madhya Pradesh, 2019
- **Biochemical and physiological changes induced by diethyl phthalate in *Chironomus circumdatus***, All India Cell Biology Conference, 2018
- **Purification, characterization and immobilization of alkaline phosphatase from *Vigna unguiculata***, Department of Chemistry, Savitribai Phule Pune University, 2013

Guest Lectures to M.Sc. Zoology students

- **Hormonal regulation of carbohydrates, proteins and lipid metabolism, osmoregulatory hormones, control of calcium and phosphate metabolism**, Department of Zoology, Shri Shiv Chhatrapati College, Junnar, 2017
- **Cell cycle and its regulation**, Department of Zoology, Shri Shiv Chhatrapati College, Junnar, 2016

Workshops

- **Immunology and Vector Biology of Leishmaniasis**, Department of Zoology, Savitribai Phule Pune University, Pune, 2019
- **The Art and Science of Publication Writing**, Venture centre, Pune, 2018