

## CURRICULUM VITAE

### PERSONAL INFORMATION:

**Name:** Shruti Vilas Paripatyadar

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**Date of Birth:** 1<sup>st</sup> November 1988

### ACADEMIC INTERESTS:

1. Taxonomy
2. Evolutionary biology
3. Phylogeny
4. Biogeography

### ACADEMICDETAILS:

Education	Year of passing	Board/ University	Marks obtained (%)
SSC	2004	Maharashtra state board, Pune	80.66
HSC	2006	Maharashtra state board, Pune	61
B. Sc. (Zoology)	2009	University of Pune	87.75
M. Sc. Sem. I (Zoology)	2009	Dept. of Zoology, University of Pune	GPA: 5.6/6
M. Sc. Sem. II	2010	Dept. of Zoology, University of Pune	GPA: 5.55/6
M. Sc. Sem III (Genetics)	2010	Dept. of Zoology, University of Pune	GPA: 5.5/6
M. Sc. Sem. IV (Genetics) (Appeared)	2011	Dept. of Zoology, University of Pune	GPA: 5.65/6

### SCHOLARSHIP DETAILS:

Name of the fellowship	Funding agency	Exam/Year of passing	Rank
Junior Research Fellowship	University Grants Commission	Joint CSIR – UGC National Eligibility Test	287

### M. SC. DISSERTATION:

“Role of DNA Methylation in Stress Response of *Deinococcus radiodurans*: A Comparative Study of Wild Type and DNA Methyltransferase Mutants”

Project completed under the guidance of Prof. Deepti D. Deobagkar, Dept. of Zoology, University of Pune.

Outline of the Project: The aim of the project was to determine the role of DNA methylation in stress response of *Deinococcus radiodurans* by comparative analysis of wild type and DNA methyltransferase knock-out mutants (Adenine methyltransferase mutant and Cytosine methyltransferase mutant). For this, four different stress treatments were considered - salt stress, desiccation, oxidative stress and heat stress. The differential responses of all the three strains were assessed by checking viability (Colony Forming Units/ml) as well as differences at the proteomics level by SDS – PAGE.

### **Ph. D. PROJECT:**

Title of the project: “Diversity, Distribution and Natural History of the Aquatic Bugs from Western Ghats of Maharashtra with Special Emphasis on Nepomorpha (Insecta: Heteroptera)”

Guide: Dr. Anand D. Padhye – Dept. of Zoology, MES’ Abasaheb Garware College, Pune.

Co-guide: Dr. Hemant V. Ghate – Dept. of Zoology, PES’ Modern College of Arts, Science and Commerce, Shivajinagar, Pune.

Place of Work: Dept. of Biodeiversity, Abasaheb Garware College, Pune.

Work Plan for Ph. D.: To study the taxonomy and biology of the aquatic and semi-aquatic Heteroptera of Western Ghats of Maharashtra. The study will also focus on their diversity in the study area and on some aspects of their ecology such as seasonal changes in their abundance, co-habitation, prey preference and niche partitioning, etc. and will try to find correlations between different qualitative and quantitative habitat parameters and species occurrence and abundance.

Natural history studies on a common species: Natural history of *Diplonychus rusticus* (Belostomatidae) will be studied with emphasis on life cycle, egg micro-structure, development of nymphal characteristics, unilateral paternal care, prey preference, microhabitat preference, natural enemies, etc.

### **VOLUNTARY WORK:**

Worked as a volunteer at the Western Region Station, Zoological Survey of India (WRS-ZSI) from April 2012 to February 2013.

Nature of the work: Taxonomic study of the scorpions in the collection of WRS-ZSI.

### **CONFERENCES AND WORKSHOPS ATTENDED:**

- Students’ conference on conservation science held at the Indian Institute of Science (IISc) – August 2012.

- Workshop on Taxonomy and ecology of freshwater zooplankton: Theory and practice with emphasis on scientific manuscript preparation – held at the Department of Zoology, University of Pune – November 2013.