

## Curriculum Vitae

### Dr. ROSHNI SINGH

Assistant Professor

M.Sc. (Zoology), GATE, NET-LS, CSIR-JRF, Ph.D. (BHU)

**Affiliation:** Netaji Subhash Chandra Bose Government Girls P.G. College, Aliganj, Lucknow-226024

**E-mail ID:** roshni.bhu@gmail.com

**Date and Place of Birth:** 21/03/1988 in Varanasi (UP), India

**Nationality:** Indian

**Marital Status:** Married, One child

### Educational Qualification

1. Ph.D. from Banaras Hindu University, 2019
2. M.Sc from Banaras Hindu University, 2012 (68%)
3. B.Sc from Banaras Hindu University, 2010 (62.2%)
4. Intermediate from Nivedita Shiksha Sadan Balika Inter College, Varanasi, 2006 (65.6%)
5. High School from Vasant Kanya Inter College, Varanasi, 2004 (62.13%)

### Other Qualifications

1. B.Ed from Banaras Hindu University, 2013 (75.9)
2. GATE in 2013 with 94 percentile
3. Qualified NET-LS in 2014 December
4. Qualified CSIR-JRF in 2015 June

### Title of Ph.D. Thesis

“Evolutionary relationship between two sibling species of *Drosophila*: *D. ananassae* and *D. pallidosa*”

### Working Experience

1. Handling and maintenance of *Drosophila* stock
2. Statistical analysis
3. Basic molecular techniques

### Seminar/ Symposium Organized

1. National Seminar entitled “Bharat Ratna Atal Bihari Vajpayee: An Immortal Herald of Humanity, Nationalism and Politics” at N.S.C.B Govt. Girls P.G. College, Aliganj, Lucknow on 24-25 Sep 2022.
2. National Conference entitled “Advancements and Strategies for Sustainable Development and Environmental protection” at N.S.C.B Govt. Girls P.G. College, Aliganj, Lucknow on 17-18 Jan 2022.

### Total Teaching Experience: (1 Year 1 month)

| Designation         | Scale of Pay and Present Basic and AGP | Name and Address of employers  | Period of Experience | Nature of work/duties |
|---------------------|--|--|----------------------|-----------------------|
| Assistant Professor | 15600-39100                            | Netaji Subhash Chandra Bose Govt. Girls P.G. College, Aliganj, Lucknow | 1 year 1 month       | Permanent             |

### List of Publications

#### Research article:

1. **Singh R., Singh B.N.** (2014) Pattern of sex-combs in two sibling species of *Drosophila* and their hybrids. *Journal of Experimental Zoology* 17: 513-517.
2. **Singh R., Singh B.N.** (2017) Evidence for variations in the morphometric traits between two sibling species of *Drosophila*: *D. ananassae* and *D. pallidosa*. *Genetika* 49: 1-20.
3. **Singh R., Singh B.N.** (2018) Influence of age on mating propensity in two sibling species, *Drosophila ananassae* and *D. pallidosa*. *Indian Journal of Experimental Biology* 56: 7-13.
4. **Singh R., Singh B.N.** (2020) Intra- and interspecific sexual isolation in two sibling species of *Drosophila*: *D. ananassae* and *D. pallidosa*. *Ethology Ecology and Evolution* 32: 572-589.
5. **Singh R., Singh B.N.** (2020) Evidence for initiation of post-zygotic reproductive isolation between *Drosophila ananassae* and *D. pallidosa* as indicated by reduction in the fertility of hybrid males. *International Journal of Biology* 12: 41-51.
6. **Singh R., Singh B.N.** (2020) Studies on mating preference and productivity in *Drosophila ananassae* and *D. pallidosa* and their hybrids. *International Journal of Biology* 12: 51-64.

#### Review article:

1. **Singh B.N., Singh R.** (2017) *Drosophila pallidosa*: whether a separate species or a light form of *D. ananassae*. *Journal of Genetics* 96: 1053-1059.

#### Chapters in book:

1. **Singh R., Maurya G.K.** (2017) Heterozygote Superiority. In: J. Vonk, T.K. Shackelford (eds.) *Encyclopedia of Animal Cognition and Behavior*. Springer International Publishing AG.
2. **Maurya G.K. Singh R.** (2017) Endophenotype. In: J. Vonk, T.K. Shackelford (eds.) *Encyclopedia of Animal Cognition and Behavior*. Springer International Publishing AG.

#### Abstracts:

1. **Singh R and Singh B N** (2015) Sibling species of *Drosophila*: Variations in certain morphometric traits between *D. ananassae* and *D. pallidosa*. **Biennial Indian *Drosophila* Research Conference, organized at Indian Institute of Technology, Kanpur.**
2. **Singh R and Singh B N** (2016) Evidence for the reduction of fertility in hybrid males resulting from hybridizations between two sibling species of *Drosophila*. **40<sup>th</sup> All India Cell Biology Conference and International Symposium on "Functional Genomics and Epigenomics" organized at Jiwaji University, Gwalior.**
3. **Singh R and Singh B N** (2017) Studies on sexual isolation, hybridization and productivity in two sibling species of *Drosophila*. **Symposium on Gene-Environment Interaction in Disease, Development and Evolution, organized at Banaras Hindu University, Varanasi.**

**Conference and workshop participation:**

- 1. Participated in “*Drosophila* Meeting” March 2014, organized by Banaras Hindu University, Varanasi.**
- 2. Participated in National Conference on Ethology and Evolution October 2015, organized by IISER, Mohali.**
- 3. Attended workshop on Applications of Bioinformatics and Biostatistics in Biology March 2017, organized by UGC-CAS Phase 5, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi.**

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