

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.
3. International Conference entitled “An Overview of Indian Knowledge System :From Glorious Past to Contemporary Contexts” at N.S.C.B Govt. Girls P.G. College, Aliganj, Lucknow on 16-19 Mar 2024.

Other duty and responsibility

I qualified several exams for job like UP PGT, MPPSC and UPPSC. I got first rank in UPPSC.

I worked for the NAAC in the college. I cover the 2.3 and 2.4 of criteria 2.

I am in several committee of the college.

Total Teaching Experience: (7 Years 7 months)

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	7 years 7 months	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. palliodsa* 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*. **40th 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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Aliganj, Lucknow