



Faculty Details Proforma

Title	Dr.	First Name	Jyotsna	Last Name	Singh	Photograph
Designation	Assistant Professor					
Address	Daulat Ram College, 4 Patel Marg , Delhi-110007					
Email- ID						
Web Page						
Educational Qualification Ph.D						
Degree	Institution					Year
Ph.D	Department of Zoology/DU					2015
M.Phil	Department of Zoology/DU					2010
M.Sc.	Miranda House/DU					2008
B.Sc.	Miranda House/DU					2006
Career Profile						
<p>Dr. Jyotsna Singh has 9 years of teaching experience as Assistant Professor in Zoology and is currently working at Daulat Ram College, University of Delhi. She has an expertise in the area of entomology, particularly in insect behavior and insect pest management. She is proficient in rearing the cultures of insect pests like <i>Lipaphis erysimi</i>, <i>Aphis craccivora</i>, <i>Spodoptera litura</i>, <i>Helicoverpa armigera</i>, <i>Spilosoma obliqua</i>, <i>Nezara viridula</i> & <i>Plutella xylostella</i>. During her Ph.D., she has worked upon the Influence of temperature and need seed kernel extract on the biology of <i>Aphis craccivora</i> (Koch) and <i>Lipaphis erysimi</i> (Kaltenbach) (Hemiptera: Aphididae)” at the Insect Behavior Lab, Department of Zoology, D.U. She has sound knowledge about the development, orientation, feeding & oviposition techniques used in insect behavior bioassays. She was awarded Junior Research Fellowship (JRF) under CSIR Fellowship Scheme and qualified CSIR-NET as well.</p>						
Administrative Assignments						
<p>Convenor, Lifesciences (2017-18) Medical committee Incharge (2019-2023) Co-Convenor, Lifescience Association (2020-21) Co-Coordinator for 1 week FDP on “Wildlife Conservation and Management” (2021-22) Course Coordinator for SDP on “Enhancing Learning Through ICT Tools” (2020-21) Coordinator for SDP on “Economic Importance and Management of Beneficial Insects” (2023-24)</p>						
Areas of Interest/Specialization						

- Animal behavior
- Entomology
- Insect behavior

Subjects Taught				
S.no.	Course	Paper taught	Sem.	Year
1.	B.Sc. (H) Zoology CBCS	Animal Behavior and chronobiology 9. B.Sc. Lifesciences Animal diversity I I 11. B.Sc. (H) Zoology Applied zoology VI III	VI	3
2.	B.Sc. (H) Zoology CBCS	Non-Chordata-I	I	1
3.	B.Sc. (H) Zoology CBCS	Non-Chordata-II	II	1
4.	B.Sc. (H) Zoology CBCS	Cell Biology	III	2
5.	B.Sc. (H) Zoology CBCS	Molecular biology	IV	2
6.	B.Sc. (H) Zoology CBCS	GE-1-Insect Vector & Diseases	I	1
7.	B.Sc. Lifesciences	Molecular biology	IV	2
8.	B.Sc. (H) Zoology LOCF	GE3- Food, Nutrition & Health	III	2
9.	B.Sc. (H) Zoology LOCF	Research methodology	VI	3
10.	B.Sc. (H) Zoology LOCF	Reproductive biology	VI	3
11.	B.Sc. (H) Zoology LOCF	Wildlife conservation and management	VI	3

12	B.Sc. (H) Zoology CBCS	Applied zoology	VI	3
13	B.Sc. (H) Zoology NEP-UGCF	Economic Zoology	II	1
14	B.Sc. (H) Zoology NEP-UGCF	Human Physiology	I	1

Research Guidance

Publications Profile

- Senrung, A., **Singh, J.**, Sharma, S., Bhutia, T.N. and Singh, A.K. "Effect of *Murraya koenigii* extracts on feeding and ovipositional response of *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae)". Journal of Entomology and Zoology Studies. Vol 2: 27-31. 2014. ISSN# 2320-70782.
- **J. Singh**, A. Senrung, S. Sharma, T. N. Bhutia, M. R. Devi and A. K. Singh (2017). Influence of temperatures on the survival and development of cowpea aphid, *Aphis craccivora* (Hemiptera: Aphididae). Indian Journal of Entomology, 79 (1):111-114. 2017. ISSN 0367-8288.
- Monkeypox Endemic to Epidemic A review of the current scenario of Monkeypox disease outbreak. Dr. Meenakshi Thakur, Dr. Sushma Bhardwaj, **Dr. Jyotsna Singh**. © 2022 IJRTI | Volume 7, Issue 6 | ISSN: 2456-3315. Pg- 1964-69
- Three Years of Covid-19 – A Review on India’s Journey through Different Variants and Waves. Dr. Meenakshi Thakur, Dr. Sushma Bhardwaj, **Dr. Jyotsna Singh**, Ms. Anna Senrung, Dr. Jyoti Singh. © 2023 IJRTI | Volume 8, Issue 1 | ISSN: 2456-3315 IJRTI2301005 International Journal for Research Trends and Innovation (www.ijrti.org). pg-26 - 35
- S. P. Yadav Deen, Anupam Varshney Sharma, Priya Singh, Satish Ganta, P. R. Ragesh, Smriti Sharma, Tarkeshwar, Kapinder, **Jyotsna Singh**, Mayanglambam Rojina Devi & Sanjiv Mullick. Influence of age, diurnal cycle, and plant and non-plant surfaces on oviposition by *Spodoptera litura* (Fabricius) (Lepidoptera: Noctuidae). *Int J Trop Insect Sci* **43**, 1553–1561 (2023). <https://doi.org/10.1007/s42690-023-01079-3>

(Chapters in Books)

- Dr. Smriti Sharma and **Dr. Jyotsna Singh**. Chapter: Microbes and Their Products in Sustainable Agriculture in the book 'Microbial Products- Applications and Translational Trends'. November, 2022. ISBN: 9781032308203. CRC Press (Taylor and Francis)

E-chapters authored for Institute of Life Long Learning (University of Delhi)

- **Jyotsna Singh**, Anna Senrung and Anjana Singha. "Extension of Mendelian Genetics" under MHRD Project "National Mission on Education Through ICT" (ISSN#2349-154X). 2015 <https://docs.google.com/file/d/0B0Izh6GcIA DdVF2azFsa0lkV3c/edit?pli=1>
- Anjana Singha, **Jyotsna Singh** and Anna Senrund. "Linkage and Crossing-over" MHRD Project "National Mission on Education Through ICT" (ISSN#2349-154X). 2015. <https://drive.google.com/file/d/0B0Izh6GcIA DTWdJZ0xHNjRRRemM/view?pli=1>
- Anna Senrung, **Jyotsna Singh** and Anjana Singha. "Morphology and Physiology of Paramecium" under Zoology Course Content (ISSN#2349-154X). 2015. <https://drive.google.com/file/d/0B0Izh6GcIA DaE03TFNQQUtLdjg/edit?pli=1>

Conference Organization/Presentation**Research Projects (Major Grants/Research Collaboration)****Awards and Distinctions****Association with Professional Bodies****Other Activities****Resource Person**

Sno.	Resource person for	Year
1.	SDP on "Enhancing Learning Through ICT Tools"	2020-21
2.	SDP on "Enhancing Learning Through ICT Tools"	2021-22
3.	Student Training Workshop on Research Analysis: Tools and Techniques	2021-22
4.	SDP on Unveiling the Animal World in Behavioral way	2022-23
5.	SDP on "Enhancing Learning Through ICT Tools" for 1st year Lifesciences students	2023-24
6.	SDP on "Enhancing Learning Through ICT Tools" for 1st year Zoology students	2023-24
7.	SDP on "Lifestyle Disorders"	2023-24
8.	SDP on "Economic Importance and Management of Beneficial Insects"	2023-24