



Faculty Details Proforma

Title	Dr.	First Name	Sonika	Last Name	Sharma	Photograph															
Designation		Associate Professor																			
Address		Daulat Ram College, 4 Patel Marg , Delhi-110007																			
Email- ID		sonikasharma@dr.du.ac.in																			
Web Page																					
Educational Qualification																					
Degree		Institution				Year															
Ph.D.		Department of Zoology, University of Delhi				2013															
MSc.		Miranda House, University of Delhi				2005															
BSc.		Miranda House, University of Delhi				2003															
Career Profile																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1.</td> <td style="width: 20%;">Associate Professor</td> <td style="width: 25%;">Daulat Ram College</td> <td style="width: 30%;">June 2025 onwards</td> <td style="width: 20%;">Permanent</td> </tr> <tr> <td>2.</td> <td>Assistant Professor</td> <td>Daulat Ram College</td> <td>October 2015 - May 2025</td> <td>Permanent</td> </tr> <tr> <td>3.</td> <td>Assistant Professor</td> <td>Daulat Ram College</td> <td>July 2015 - Oct 2015, Jan 2013- Jan 2015</td> <td>Adhoc</td> </tr> </table>							1.	Associate Professor	Daulat Ram College	June 2025 onwards	Permanent	2.	Assistant Professor	Daulat Ram College	October 2015 - May 2025	Permanent	3.	Assistant Professor	Daulat Ram College	July 2015 - Oct 2015, Jan 2013- Jan 2015	Adhoc
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Administrative Assignments																					
2024-2026 Nodal Officer (Science) India Today Ranking 2025-2026 Core Team ERP 2023-2024 Teacher In charge 2023-2024 Convenor Prize committee 2022-2023 GB member- Junior Teachers Representative 2022-2023 Admissions Core Committee Member 2022-2023 Convenor SPIC MACAY 2022-2023 Library committee Departmental representative 2021-2022 Convenor Indian Music and Dance Society 2021-2024 Coordinator Drosophila Resource Center (ongoing) 2021-2022 ECA Admissions Convenor 2021-2022 Co-Convenor ECA 2020-2023 Medical Committee 2021-2023 Member Screening committee Mathematics (completed) 2020-2021 Convenor Zoological Society Koshika 2019-2020 Convenor Zoological Society Koshika 2016-2017 Admission Convenor English 2018-2019 Dy. Superintendent Central Evaluation Cell DRC 2014-2015 Student Advisory board																					

Areas of Interest/Specialization

Drosophila as a Model Organism, Molecular Biology, Genetics, Physiology, Animal Biotechnology

Subjects Taught

Fundamentals of Genetics, Fundamentals of Human Physiology, Principles of Genetics, Physiology Controlling and Coordinating Systems, Genetics and Evolutionary Biology, Animal Cell Biotechnology, Medical Diagnostics

Research Guidance

Academic Projects of 2nd to 4th year students

Publications Profile

Sharma, S., & Singh, M. (2026). Study of the Developmental Stages and Life Cycle of Drosophila. In A. C. Bharti, A. Senrunga, A. Kumar, & G. Sethi (Eds.), *Textbook of Developmental Biology: Laboratory Techniques and Experimental Approaches* (pp. 155–185). Springer Nature. https://doi.org/10.1007/978-981-95-7269-4_6

Madhu, Taneja, J., & Sharma, S. (2026). *Chapter: The Major Endocrine Glands and Reproductive organs in Male and Female Rats in book titled Laboratory Manual of Reproductive Biology and Assisted Reproductive Technologies.* <https://doi.org/10.1201/9781003408550-2>

Sharma, S., Siraz, F., Taneja, J., Bhardwaj, P., & Madhu. (2026). *Chapter: Microscopic Examination of Rat and Human Histological sections using Illustrations, Permanent Slides and Photomicrographs in book titled Laboratory Manual of Reproductive Biology and Assisted Reproductive Technologies.* <https://doi.org/10.1201/9781003408550-3>

Marwah, R., Jain, A., Madhu, & **Sharma, S.** (2024). Sugar, Methotrexate and the Herbal Shield: Unveiling *Tinospora cordifolia*'s Reproductive Safeguard in Drosophila. *IJIRMF*, 10(9), 15–23. <https://doi.org/10.2015/IJIRMF/202409003>

Sonika Sharma (2024) “To study the technique of DNA Fingerprinting” chapter in book Animal Biotechnology and Immunology.

Meenakshi Rana, Pooja Choubey, Gouri Nandi, Sidhant Jain, Divya Bajaj, **Sonika Sharma**, Sharmila Basu-Modak, Expression of angiogenic factors in the placenta of heme oxygenase-1 deficient mouse embryo, *Reproductive Biology*, Volume 23, Issue 4, 2023, 100822, ISSN 1642-431X,

Sonika Sharma and Jyoti Taneja, (2015) “Concept of expressing cloned genes in mammalian cells”, *VLE Science*, ILL- ISSN2349-154X

Sonika Sharma (2013). ‘Cloning: History and Advances’ *Shodh Kalpataru* (An International Multidisciplinary Research Journal, A Refereed Journal Published Tri-monthly), No.11, October–December 2013, pp. 354-357, (ISSN-2249-6114)

Sonika Sharma (2013). ‘Tuberculosis: Causative agent and Types’ *Sambhavya* (International Research journal of Indian Cultural, Social and Educational Stream, A Refereed journal Published Tri monthly) No.1 October –December 2013, pp.353-360 (ISSN-0976-9358)

Conference Organization/Presentation

2026

Convenor Workshop on
“Tools and Techniques
for Drosophila

15th June 2026-
17th June 2026

Drosophila Resource center,
Zoology Department

	Maintenance”		
2025	Convenor Refresher Course on Research Methodology	24 th June 2025 – 7 th July 2025	Daulat Ram College in Collaboration with UGC-MMTC, Khalsa Coolege
2025	Convenor Workshop on “Tools and Techniques for Drosophila Maintenance”	20 th June 2025- 23 rd June 2025	Drosophila Resource center, Zoology Department
2024	Convenor Workshop on “Tools and Techniques for Drosophila Maintenance”	12 th June- 14 th June 2024 & 18 th June -20 th June	Drosophila Resource center, Zoology Department
2023	Convenor Workshop on Drosophila	26 th May 2023 - 30 th May 2023	Drosophila Resource center, Zoology Department
2022	Co Coordinator In House SDP on “Enhancing Learning through ICT tools	26 th November 2022 - 27 th November 2022	Department of Zoology, Daulat Ram College
2022	Co Coordinator SDP on “life Sciences – Tools and Techniques”	13 th July 2022- 19 th July 2022	Department of Zoology, Daulat Ram College
2021	Convenor of International Conference on Infections and Immunity	8 th October 2021 -10 th October 2021	Virtual (Department of Zoology, Daulat Ram College

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

NA

Association with Professional Bodies

NA

Other Activities

	In – house SDP	Enhancing Learning Through ICT tools	Daulat Ram College	19 th August 2020	Resource person	One session
	In – house SDP	Enhancing Learning Through ICT tools	Daulat Ram College	17 th Dec 2020 – 19 th Dec 2020	Resource person	One session each for Zoology and Life Science
	Student Training Workshop	Research Analysis: Tools and Techniques	Daulat Ram College	16 th August 2021- 21 st August 2021	Resource person	One session
	In- House SDP	Life Sciences - Tools and Techniques”	Daulat Ram College	13 th July 2022- 19 th July 2022	Resource person	Two sessions

In- House SDP	“Unveiling the Animal World in Behavioral Way”	Daulat Ram College	From 23 rd March 2023 onwards	Resource person	Two sessions
Workshop on Drosophila	Tools and Techniques for Drosophila Maintenance	Drosophila Resource Center	26 th May 2023 - 30 th May 2023	Resource person	All sessions
Trip to Geology Fossil Museum	Genetics and Evolutionary Biology Practical	Geology Department	April 2022, April 2023	Coordinator	Entire batch of BSc. Life Science II yr
In- House SDP	Life Style Disorders and its Management	Daulat Ram College	20 th January 2024- 3 rd February 2024	Resource person	One session
In- House SDP	Economic Importance and Management of Beneficial Insects	Daulat Ram College	2 nd March 2024- 6 th April 2024	Resource person	One session
Workshop on Drosophila	Tools and Techniques for Drosophila Maintenance	Drosophila Resource Center	12 th June- 14 th June 2024 & 18 th June - 20 th June	Resource person	All sessions
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