



**DEPARTMENT OF ZOOLOGY**  
**DYAL SINGH COLLEGE, UNIVERSITY OF DELHI**  
**FACULTY DETAIL**



Title	Dr	First Name	SADHNA	Last Name	GUPTA	
Designation		PROFESSOR				
Address		C-39, sector 14, Noida -201301, Uttar Pradesh				
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	Residence	-----				
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Email		<a href="mailto:sadhnagupta@dsc.du.ac.in">sadhnagupta@dsc.du.ac.in</a>				
Web-Page						
Educational Qualifications						
Degree	Institution			Year		
Ph.D	Department of Zoology, University of Delhi			1990		
M.Sc (Zoology)	Miranda House, University of Delhi			1982		
B.Sc (H) Zoology	Zakir Hussain College, University of Delhi			1980		
Career Profile						
Teaching under graduate students, assisting with the development of course material in CBCS, LOCF and NEP, serving in various committees. Organizing Member of International conferences, attending seminars and paper presentations in and handling other administrative duties:						
Administrative Assignments (From 1 <sup>st</sup> July 2017 onwards)						
Participation in Corporate Life /Activities of the college						
A) Heading the Department of Zoology ( 2022-2023)						
B) Presiding officer- Internal Complaint Committee of the college (2020-2023)						
C) Member of the Environment club of the college						
D) Academic committee: Convenor (2021-23)						
D) Practical examination coordination committee: Co- Convenor (2018-2019)						
F) Member for screening of applications submitted by 3 Assistant Professors for their promotion to the next level (2020-2021)						
G) Member for stock verification committee						
H) Convenor of Library Committee (2018-2019, 2019-2020, 2020-2021, 2021-2023)						
I) Convenor of Screening committee for scrutinization of forms of						
Assistant professor in the Department of Environment Science (April 2020 -September 2020), Department of Zoology( 2022-2023) and member of the Screening committee for the Department of Botany(2022-2023)						
J) Member and Convenor of the Moderation committee (May 2022-23)						
K) Annual prize distribution Committee 2018-2019, 2019-2020, 2020-2021, 2021-2022.						
L) Convenor for Mentor -Mentee Committee (2021-22)						
M) Admission Committee- 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023 (Convenor)						
O) Superintendent of theory exams (2021-2022)						
P) Superintendent of Practical Examination (2022-2023)						
Q) Member of the Students' Union Election Committee of Dyal Singh College ( 2024-2025).						

<b>Areas of Interest / Specialization</b>
Molecular Biology and Immunology, Chordata, Microbiology, Cell Biology
<b>Subjects Taught</b>
Molecular Biology, Immunology, Chordata, Biotechnology, and cell biology
<b>Research Guidance</b>
Guided students along with Dr. Biji Balan during Summer Research Internship Program held from June – July, 2024, on ‘ Role of Microorganisms in Bioremediation of Heavy metals to Achieve Sustainable Development”.
<b>Publications Profile (From 1<sup>st</sup> July 2017 onwards)</b>
<p><b>List of publications</b></p> <ol style="list-style-type: none"> <li>1. Gupta, S. and Sapra, G.R. (1992) - Cytology and cytomorphological changes in the macronuclei during cell division cycle in <i>Pseudourostyla levis</i> (Ciliophora: Hypotrichida). <i>Journal of Pure and Applied Zoology</i>, 3(2): 97-108</li> <li>2. Gupta, S. and Sapra, G.R. (1992) - A quantitative study on the number, size, and DNA content of macronuclei in <i>Pseudourostyla levis</i> (Ciliophora: Hypotrichida). <i>Journal of Pure and Applied Zoology</i>, 3(2): 119-126</li> <li>3. Rath, R. Saxena, R. Sood, N. and Gupta, S. (2021) - Safe grain storage- Post harvest Technology: An Indian Perspective – A Review. <i>Vantage: Journal of Thematic analysis</i>, 2(2): 38-54</li> <li>4. Sood, N. Gupta, S. Rath, R and Saxena, R. (2021) - Genetically modified crops- Need of the hour: An Indian Perspective. – A Review. <i>Vantage: Journal of Thematic analysis</i>, 2(2): 59-69</li> <li>5. Saxena, R. Rath, R. Gupta, S. and Sood, N. (2021) - A Review on Ecological degradation, its causes and sustainable development in Delhi, India. <i>Journal of Applied and Natural Science</i>. 13(4): 1294-1304</li> <li>6. Gupta, S. (2022) - Macronuclear changes, autophagy and transcriptional activity during pseudoencystment in <i>Pseudourostyla levis</i> (Ciliophora: Hypotrichia). <i>Biochemical and Cellular Archives</i>, 22(2): 3923-3928</li> <li>7. Gupta, S. (2022) - Morphogenetic Comparison of <i>Pseudourostyla levis</i> (Ciliophora: Hypotrichia) from river Yamuna, Delhi (India) with congeners. <i>Journal of Experimental Zoology, India</i> - 25(2): 1999-2004</li> <li>8. Arya, P.V. and Gupta, S. (2022) - Some studies on Population Biology of Prominent Ficus sp. Pest <i>Trilocha Varians</i> (Lepidoptera: Bombycidae) under Laboratory Conditions. <i>Journal of Experimental Zoology, India</i> – 25(2): 2209-2215</li> <li>9. Gupta, S. (2022) - A novel phenomenon of pseudoencystment in free living ciliate <i>Pseudourostyla levis</i> (Ciliophora: Hypotrichia) from River Yamuna, Delhi. <i>Journal of Applied and Natural Science</i>. 14(3): 711-719</li> <li>10. Gupta, S. (2022) - Morphology and morphogenesis of <i>Pseudourostyla levis</i> (Ciliophora, Hypotrichia) from river Yamuna, Delhi, India. <i>Microsphere</i> – 1(2): 20-31</li> <li>11. Gupta, S. (2022) - From Stockholm 1972 to 2022: Holistic and Multidisciplinary Approach of India to Attain Sustainability – A Review, <i>Vantage: Journal of Thematic Analysis</i> – 3(2): 75-87</li> </ol>

<b>Conference Organization/ Presentations (From 1<sup>st</sup> July 2017 onwards)</b>
<ol style="list-style-type: none"> <li>1. Member of the organizing committee for National seminar on Recent trends and ethics in biological research held at DSC. DU on 7<sup>th</sup> March 2020.</li> <li>2. Organizing member a Seminar on Opportunities in Immunology and Virology (18/03/2021)</li> <li>3. Celebrated Global Tiger day by conducting a webinar on management of Kaziranga tiger reserve during annual floods and mitigation of human Tiger negative interaction (29/07/2021)</li> <li>4. Conducted a webinar on," Breath and Meditation -Connecting science and spirituality. (21/01/2022)</li> <li>5. Organised and celebrated World wetland day on 2nd February 2022 by inviting talks from speakers with professor Suresh Babu and Dr Navin Tiwari. (02/02/2022)</li> <li>6. Conducted a virtual visit to Dudhwa National park for the Safari to jungle. (10/02/2022)</li> <li>7. Conducted a Seminar and Interactive Session on Dragonflies and Humans. (31/01/2021)</li> <li>8. Celebrated National Science day (28/02/2022)</li> <li>9. Member of Organizing Committee of Faculty Development Program jointly organized by Dyal Singh College and Miranda House, University of Delhi; ICAR and Guru Angad Dev Malviya Mission Training Centre, SGTB Khalsa College, University of Delhi – “ Unveiling Apiculture: Exploring the Art and Science of Beekeeping Methods and Applications” ( 10<sup>th</sup>-16<sup>th</sup> October 2023)</li> <li>10. Organizing member of lectures on Vermicomposting, World Wetland Day , organized by Zoological society of Dyal Singh College,2024)</li> </ol>
<b>Research Projects (Major Grants/Research Collaboration) (From 1<sup>st</sup> July 2017 onwards)</b>
NA
<b>Awards and Distinctions (From 1<sup>st</sup> July 2017 onwards)</b>
N/A
<b>Association With Professional Bodies</b>
<ol style="list-style-type: none"> <li>1. Life time membership of ICMCESA</li> </ol>
<b>Other Activities like MOOCs/ Patents etc. (From 1<sup>st</sup> July 2017 onwards)</b>
<ol style="list-style-type: none"> <li>1. Climate Change Education Across the Curricula, Across the Globe Lesson plan; Impact of Climate Change on Mulberry Cultivation (<a href="https://tropicsu.org/lesson-plan-mulberry-cultivation/">https://tropicsu.org/lesson-plan-mulberry-cultivation/</a>)</li> <li>2. Climate Change Education Across the Curricula, Across the Globe Lesson Plan; Climate impact on the silkworm Life Cycle (<a href="https://tropicsu.org/lesson-plan-silkworm-life-cycle/">https://tropicsu.org/lesson-plan-silkworm-life-cycle/</a>)</li> </ol>



Signature of Faculty Member  
Sadhna Gupta