

BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)**Kair, Near Najafgarh, New Delhi - 110043****Faculty Details proforma for College Web-site**

Title	Dr.	First Name	RUCHI	Last Name	GUPTA	
Designation		Assistant Professor				
Address		RZ-120, Nanda Enclave, Gopal Nagar, Najafgarh, New Delhi-110043				
Phone No Office						
Residence Mobile		8285939480				
Email		Ruchigupta5989@gmail.com				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
PH.D (Mathematics)		MDU			2025	
MA (Mathematics)		University of Delhi(St. Stephens college)			2012	
BA(H) Mathematics		University of Delhi			2010	
Career Profile						
Teaching in DU colleges as an Assistant Professor since 2013						
Administrative Assignments						
Part of various committee like Azadi ka amrut mahotsav committee, cultural committee, student advisory committee, Research Cell, Magazine Committee, Sports Committee , Examination Committee						
Areas of Interest / Specialization						
Topology, linear algebra, Pure Mathematics, Statistics						
Subjects Taught						
1. Calculus & Matrices 2. Calculus & Geometry 3. Algebra 4. Real Analysis 5. Analytic geometry & theory of equation 6. Linear Algebra 7. Statistical software : R 8. Transportation and Network flow problem 9. Vedic Mathematics 10. Differential Equation						
Publications Profile						
• Gupta, R., Malik, S. (2024), "Evaluating New Estimators in Ranked Set Sampling using Auxiliary Variable". <i>International Journal of Science and Research</i>, 13(8), 1494-1497. DOI: https://dx.doi.org/10.21275/SR24824152543.						

- Gupta R, Malik S. (2025), “Study on New Ratio and Product Type Estimators for Population Mean Under Ranked Set Sampling”. *Indian Journal of Science and Technology*. 18(4): 297-303. <https://doi.org/10.17485/IJST/v18i4.2367>
- Gupta, R., Malik, S., Sharma, R. (2025), “New Ratio and Product Type Estimators for Population Mean Under Ranked Set Sampling”. *International Journal for Research Trends and Innovation*, 10(1), a523-a531, DOI: 10.6084/m9.doione.IJRTI2501064.
- Sharma, R., Malik, S., Gupta, R. (2025), “Developing Robust Exponential Ratio and Product Estimators for Post Stratification: Addressing Non-Response and Enhancing Accuracy Through Double Sampling”. *American Journal of Mechanics and Applications*, 12(1), 1-10, DOI: 10.11648/j.ajma.20251201.11.
- Sharma, R., Malik, S., & Gupta, R. (2025). Product in product type estimator with exponential and log function to estimate population mean using DSS. *Journal of Engineering Research and Sciences*, 4(2), 11–17. <https://doi.org/10.55708/js0402002>

Publications in the Last one year

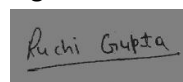
- Gupta R, Malik S. (2025), “Study on New Ratio and Product Type Estimators for Population Mean Under Ranked Set Sampling”. *Indian Journal of Science and Technology*. 18(4): 297-303. <https://doi.org/10.17485/IJST/v18i4.2367>
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- Sharma, R., Malik, S., Gupta, R. (2025), “Developing Robust Exponential Ratio and Product Estimators for Post Stratification: Addressing Non-Response and Enhancing Accuracy Through Double Sampling”. *American Journal of Mechanics and Applications*, 12(1), 1-10, DOI: 10.11648/j.ajma.20251201.11.
- Sharma, R., Malik, S., & Gupta, R. (2025). Product in product type estimator with exponential and log function to estimate population mean using DSS. *Journal of Engineering Research and Sciences*, 4(2), 11–17. <https://doi.org/10.55708/js0402002>

Conference Organization/ Presentations (in the last three years)

- 1) Presented a Research Paper in International Conference on Statistics, Data Science and Reliability: Exploring Trends, Methods & Applications (IC-SDRETMA2023) organized by Department of Statistics, M.D. University, Rohtak on 24-26 December, 2023 on the topic: Study of different types of Ranked Set Sampling as compared to Simple Random Sampling.
- 2) Presented a Research Paper in International Conference on Mathematical Sciences and its Applications to Artificial Intelligence (ICMSAAI-24) organized by Department of Mathematics, SRM University, Sonapat, Haryana on 17-19 January, 2024 on the topic: Comparison of different types of Ranked Set Sampling (RSS)

Awards and Distinctions
1.Secured 1 st position in district in Senior secondary 2.Secured 1 st position in college and 3 rd in DU in BA(H) Mathematics 3.Secured 4 th position in MA Mathematics in DU 4.CSIR (NET)-JRF with All India Rank - 41 5.Gate qualified with All India Rank - 45
Other Activities
Member of 'UDAAN'

Signature of Faculty Member



RUCHI GUPTA

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.