



**Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile**

Name	Dr. Deepa	
Designation	Assistant Professor	
Email	deepa.tyagi@rajguru.du.ac.in	
Degree	Institution	Year
PHD	Banasthali University, Rajasthan	2016
M.Phil	Banasthali University, Rajasthan	2010
M.Sc.	Chaudhary Charan Singh University, Meerut	2009
B.Sc.	Chaudhary Charan Singh University, Meerut	2007
Areas of Interest / Specialization		
Regression Analysis, Econometrics and Time Series Analysis.		
Publications Profile		
• Joshi, H. and Tyagi, D. (2021). <i>Forecasting and Modeling Monthly Rainfall in Bengaluru, India: An Application of Time Series Models</i>. International Journal of Scientific Research in Mathematical and Statistical Sciences (IJSRMSS), Vol.-8(1), 39-46. • Chandra, S. and Tyagi, D. (2015). <i>Estimation of Error Variance under the LINEX loss function</i>. International Journal of Mathematical Sciences & Applications, Vol.-5(2), 289-303. • Tyagi, D. and Chandra, S. (2014). <i>Estimation of the Regression Error Variance in a Misspecified Model</i>. American Journal of Mathematical Science and Applications, Vol.- 2(1), 73 -82. • Chandra, S. and Tyagi, D. (2013). <i>A Note on the Estimation of Error Variance in the Misspecified Linear Regression Model</i>. Journal of Rajasthan Statistical Association (JRSA), Vol.-2(2), 86-97.		
Chapter in Edited Books/Book Publication		
• Tyagi, D., Chandra, S. and Kumar, S. "Statistical Data Analysis Using R: A Practical Introduction". 1st Edition. CRC Press Taylor & Francis Group. Feb, 2027 (Coming Soon). • Tyagi, D. and Chandra, S. (2021). "Inadmissibility of Stein-Rule Estimator of Disturbance Variance in a Misspecified Regression Model with Autocorrelated Disturbance Terms". Recent Research in Mathematical, Statistical and		

Computational Sciences. MKSES Publications & Journals, India. ISBN: 978-93-91248-25-3, pg 13-29. • Joshi, H. and Tyagi, D. (2021). “<i>Estimation of Birth Aversion due to Various Contraception Methods</i>”. Digital Health in India: Evolution of Health Informatics. MKSES Publications & Journals, India. ISBN: 978-93-91248-12-3, pg 201-216.
Research Paper Presented in International /National Conferences
• Presented a paper entitled \ <i>Estimation of Disturbance Variance with Autocorrelated Errors When the Model is Over-fitted</i> in International Conference on Innovative Trends in Statistics, Optimization and Data Science (IC-ITSODS-2024) organized by Department of Statistics and Operation Research, Kurukshetra University, Kurukshetra, Haryana, INDIA, in conjunction with 44th Annual convention of Indian Society for Probability and Statistics (ISPS) and 8th convention of Indian Association for Reliability and Statistics (IARS), held on December 21-23, 2024. • Presented a paper entitled \ <i>A Note on Estimation of Disturbance Variance in a Misspecified Model</i> in International Conference on Computational Mathematics & Statistics’ (ICCMS-2017) organized by Banasthali University, Rajasthan jointly with the Department of Mathematics, University Putra Malaysia, Malaysia, 2017. • Presented a paper entitled \ <i>Estimation of the Regression Error Variance under the Pitman Nearness Criterion in the Misspecified Model</i>, in International Conference on Role of Statistics in the Advancement of Science organized by Department of Statistics, Central University of Pune, 2013. • Presented a paper entitled \ <i>Comparison of the iterative Stein-rule and the usual estimator for the regression error variance under asymmetric loss function</i>, in International Conference on Frontiers of Statistics and its Applications (ICONFROST-2012) organized by Department of Statistics, Pondicherry University, 2012.
Invited Speaker
• Attended Invited Talk as Speaker on “<i>Correlation and Regression Analysis & Hands on R</i>” in a ‘Training Course on Statistical Data Analysis Using R Software for Health Professionals’ organized by Department of Statistics and Demography, National Institute of Health and Family Welfare (NIHFW), New Delhi, held on November 25-27, 2024. • Attended Invited Talk as Speaker in a workshop on “<i>Financial Database & Analysis Software</i>” organized by the Department of Financial Studies, Shaheed Rajguru College of Applied Sciences for women held during April- May, 2024.
Awards and Distinctions