




Title	Dr.	First Name	K. R.	Last Name	Meena	Photograph
Designation	Assistant Professor					
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Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Indian Institute of Technology Roorkee, Roorkee Title of Thesis: Some Problems on Estimation After Selection				2018	
PG	Indian Institute of Technology Kharagpur, Kharagpur (Mathematics)				2012	
UG	University of Rajasthan, Jaipur (Mathematics)				2010	
Any Other	CSIR-NET				2012	
	GATE-2012				2012	
Career Profile						
October 07, 2022 to till date - Assistant Professor in Department of Mathematics at Hans Raj College (University of Delhi).						
Assistant Professor in Department of Mathematics at Acharya Narendra Dev College (University of Delhi) from July 27, 2018 to October 06, 2022.						
Administrative Assignments						
<ul style="list-style-type: none">• Worked as a Member in the Proctorial Committee at Acharya Narendra Dev College, University of Delhi, 27 July 2018 to 2 June 2022.• Worked as a Member in the I.T. Committee at Acharya Narendra Dev College, University of Delhi, 27 July 2018 to 2 June 2022.• Worked as a Member in Alumni Affairs Committee at Acharya Narendra Dev College, University of Delhi, 2 June 2022- October 06, 2022.• Worked as a Member in NAAC/Data Compiling Committee at Acharya Narendra Dev College, University of Delhi, 2 June 2022- October 06, 2022.• Worked as Sports Secretary, Department of Mathematics, IIT- Roorkee, Session 2015-16.						
Areas of Interest / Specialization						

Research area and current interest:

- Statistical Decision Theory
- Statistical Inference
- Mathematical Statistics and Stochastic Processes
- Bayesian estimation

Subjects Taught**PG and UG:**

- Calculus
- Differential Equations
- Complex Analysis
- Numerical Methods
- Lab: Mathematica, Matlab, LaTeX and R
- Probability and Statistics, M.Tech
- Numerical Analysis and Probability and Statistics, M.Tech
- Real Analysis
- Theory of Real Functions

Research Guidance**Publications Profile**

- **K. R. Meena**, Aditi Kar Gangopadhyay, Satrajit Mandal, “**Estimation of the Mean of the Selected Population**”, World Academy of Science, Engineering, and Technology, International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering, Vol: 8(12), 1480-1485(2014).
- **K. R. Meena**, Aditi Kar Gangopadhyay, “**Estimating Volatility of the Selected Security**”, American Journal of Mathematical and Management Sciences, Vol: 36(3), 177-187 (2017).
- **K. R. Meena**, Mohd. Arshad and Aditi Kar Gangopadhyay, “**Estimating the Parameter of Selected Uniform Population under the Squared log error Loss Function**”, Communications in Statistics- Theory and Methods, Vol:47(7), 1679-1692(2018).
- Mohd. Arshad, Omer Abdalghani, **K. R. Meena** and A. K. Pathak “**Estimation after selection from bivariate normal population with application to poultry feeds data**”, Hacettepe Journal of Mathematics & Statistics, Vol: 51(4), 1141-1159, 2022.
- Sada Nand Prasad, **K. R. Meena** and Abdullah A. Ansari, “**Complexity Dynamics of Gumowski-Mira Map**”, Applications and Applied Mathematics: An International Journal (AAM), Vol:15(1), 273-281(2020).
- **K. R. Meena**, Aditi Kar Gangopadhyay, “**Estimating the Parameter of Selected Uniform Population Under the Generalized Stein Loss Function**”, Applications and Applied Mathematics: An International Journal (AAM), Vol:15 (2), 894-915(2020).
- Abdullah A. Ansari, **K. R. Meena**, Sada Nand Prasad, “**Perturbed six-body configuration with variable mass**”, Romanian Astronomical Journal, Vol: 30(2), 135-152 (2020).
- **K. R. Meena**, Aditi Kar Gangopadhyay and Omer Abdalghani, 2020, “**On estimating the scale parameter of the selected Pareto population under the Generalized Stein Loss Function**”, American Journal of Mathematical and Management Sciences, Vol 40(4),357-377, 2021.
- Abdullah A. Ansari, Mehtab Alam, **K. R. Meena**, Ashraf Ali, “**Properties of Motion of the Infinitesimal Variable Mass Body in the Well Known Circular Restricted Three-Body Problem with Newtonian and Yukawa Potential**”, Applied Mathematics & Information Sciences, Vol 15(2), 189-197, 2021

- Abdullah A. Ansari and **K. R. Meena**, “**Generalized cr3b problem with heterogeneous primary and secondary as finite straight segment**”, Vol 16(2), 1120-1129, 2021.
- Omer Abdalghani, Mohd. Arshad, **K. R. Meena** and A.K. Pathak, “**Adjusted bias and risk for estimating treatment effect after selection with an application in Idiopathic Osteoporosis**”, Book entitled “**Optimal decision making in operations research & statistics: methodologies and applications**”, Vol 1, 369-376, 2021 CRC Publishers, Taylors Francis.

See more details: <https://scholar.google.co.in/citations?user=VCiSfQAAAAJ&hl=en>

Conference/ Presentations/Workshops

- Worked as a Member , Organising Team in the 5th Annual National Conference “Social Sciences in India’s Knowledge Tradition” at Hansraj College, University of Delhi, 15th -17th October 2022.
- Participated in the “ **Online Teachers Enrichment Workshop (TEW) on Partial Differential Equations**” organized by NIT Arunachal Pradesh, 17th February to 13th March 2022.
- Worked as a **Convener in a Two-week national workshop (online) on "Tools & Techniques in Statistical Analysis"** under the aegis of DBT-STAR College Scheme organized by Acharya Narendra Dev College, University of Delhi, held from 06-19 April 2021.
- Participated in the webinar on “ **An Introduction to Hydrodynamic Stability Analysis**” organized by Department of Mathematics, Rajasthan Technical University Kota, on September 06, 2020.
- Presented a paper entitled “**Estimation After Selection from Uniform Population under the Squared Log Error Loss Function with Unequal Sample Sizes**” in the VIII International Symposium on Statistics and Optimization in Conjunction with XXXVI- Annual Convention of Indian Society for Probability & Statistics (ISPS) organized by Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh, India, December 17-19, 2016.
- Presented a paper entitled “**Admissible and Minimax Estimation of the Scale Parameter of the Selected Pareto Population**” in the International Conference on Recent Trends in Operations Research and Statistics organized by Department of Mathematics, Indian Institute of Technology, Roorkee, India, December 28-30, 2017.
- Accepted a paper entitled “**Estimation of Scale Parameter of the Selected Uniform population under the Generalized Stein Loss Function with unequal sample sizes**” in the 40th Conference on Stochastic Processes and their Applications (SPA 2018) to be organized by **Chalmers University of Technology and University of Gothenburg**, Gothenburg, Sweden, June 11-15, 2018.
- Participated in International Conference on “**Recent Trends in Mathematics and Analysis**” held in IIT-Roorkee, Roorkee, 21-23 December, 2014.
- Presented a paper entitled “**Estimating the Parameter of Selected Uniform Population Under the Generalized Stein Loss Function**” in the Emerging Trends in Mathematical Sciences for Industry and Environment organized by Department of Mathematics, Shaheed Bhagat Singh College, University of Delhi, January 27-29, 2020.
- Attended a workshop on “**High-Performance Scientific Computing**” at Department of Mathematics IIT-Roorkee, Roorkee, 26-27 August, 2016.

- Attended a workshop on “**Optimization Techniques for Solving Industrial Problems**” at Department of Mathematics IIT-Roorkee, Roorkee, 15 October, 2016.
- Attended a workshop on Modeling, “**Optimization and Simulation of Stochastic Systems**” at Department of Mathematics IIT- Roorkee, Roorkee, 26 November, 2016.
- Participated in the Faculty Development Programme “**Teachers as Mentors**” at Acharya Narendra Dev College, University of Delhi, 25 October, 2018.
- Participated in National Workshop on “**Advanced Numerical Techniques and its Applications**” at Department of Mathematics, Graphic Era Hill University, Dehradun, Uttarakhand, May 06-11, 2019.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

- Junior Research Fellowship (MHRD-JRF), July 2013- July 2015.
- Senior Research Fellowship (MHRD-SRF), July 2015 - October 2018.

Association With Professional Bodies

- Member of the Editorial **Board of Insight-Statistics**.
- Life time membership of **Bernoulli Society (BS)** Reg. No. 16155.

Other Activities

Orientation Programme/FDP/Refresher Course:

- Completed a 4-Week Induction/Orientation Programme for “**Faculty in Universities/Colleges /Institutes of Higher Education**” organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission On Teachers and Teaching from June 26-24 July, 2020.
- Completed a five-day Faculty Development Program on “**MATLAB for Engineering and Scientific Computations**” held from 22/02/2021 to 26/02/2021 at B K Birla Institute of Engineering & Technology, Pilani.
- Completed a “**Refresher Course in Mathematics**” organized by Department of Mathematics, Ramanujan College in collaboration with Teaching Learning Centre, Ramanujan College during 16-30 March 2021.
- Completed a one month “Faculty Induction Programme” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi held from 1-12-2022 to 30-12-2022.
- Completed a 2-Week Faculty Development Programme on “Computer Algebra System” Organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi in Collaboration with Ramjas College, University of Delhi, held from 22/03/2023 to 03/04/2023.



(Dr. K. R. Meena)
Signature of Faculty Member