

Dr. Farhan Ansari

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Research Profile

Accomplished statistician specializing in Generalized Order Statistics with extensive research experience in statistical modeling, Bayesian estimation, and record value analysis. Published researcher with strong background in statistical software applications and academic teaching. Passionate about advancing statistical methodologies and their practical applications in various domains.

Experience

Statistician cum Assistant Professor

20/04/2026–Present

Dr. SS Tania Medical College and Research Centre, Sri Ganganagar, Rajasthan, India

Education

Ph.D. Aligarh Muslim University, India

2026

in Statistics

- **Thesis Title:** "On Contribution to Generalized Order Statistics"
- **Supervisor:** Dr. Mohd. Jahangir Sabbir Khan
- **Coursework:** Research Methodology for Statistics and Operations Research, Ordered Random Variables
- **CGPA/Percentage:** 80.50%
- Thesis submitted and under review

M.Sc. Aligarh Muslim University, India

2016 – 2018

in Statistics

- **Dissertation:** "A survey project report on Awareness about Goods & Services Tax amongst common people"
- **CGPA/Percentage:** 7.02/10

B.Sc. Aligarh Muslim University, India

2013 – 2016

(Hons.)

in Statistics

- **Dissertation:** "A survey project report on Awareness and Control on Air Pollution"
- **CGPA/Percentage:** 57.73%
- Graduated with honors in Statistics

Intermediate (PCM)

2013

UP Board, India

- **Percentage:** 71%
- **Stream:** Physics, Chemistry, Mathematics

High School

2011

UP Board, India

- **Percentage:** 66%
- **Stream:** Science

Publications

Peer-Reviewed Journal Articles

1. Khan, M. J. S., **Ansari, F.**, Azhad, Q. J., and Kabdwal, N. C. (2024). Moments and inferences of inverted Topp-Leone distribution based on record values. *International Journal of System Assurance Engineering and Management*, 15(6), 2623-2633. DOI: [10.1007/s13198-024-02284-0](https://doi.org/10.1007/s13198-024-02284-0) 

Under Review

2. **Ansari, F.**, Khan, M. J. S., Azhad, Q. J., Kabdwal, N. C., and Khatoon, B. "Classical and Bayesian estimation of the Inverted Topp-Leone distribution based on generalized order statistics." *Life Cycle Reliability and Safety Engineering* (Under Review).
3. **Ansari, F.** and Khan, M. J. S. "Moments and estimation of Burr Hatke Exponential model based on generalized order statistics with real data applications." *Statistics in Transition new series* (**Accepted**).
4. **Ansari, F.**, Khan, R., Khan, M. J. S., and Bhushan, S. "On moments of order statistics from Normal and Gamma distributions." *Communications in Statistics - Theory and Methods* (Under Review).

Conference Presentations & Academic Talks

International Conferences

- **Ansari, F.** (2024, May). "Classical and Bayesian estimation of the Inverted Topp-Leone distribution based on generalized order statistics." Paper presented at the International Conference on Global Business & Socio-Economic Development, Aligarh Muslim University, Aligarh, India.
- **Ansari, F.** (2023, October). "Moments and inferences of inverted Topp-Leone distribution based on record values." Paper presented at the IX International Conference Symposium on Statistics and Optimization, Aligarh Muslim University, Aligarh, India.

National Seminars

- **Ansari, F.** (2018, February). "Awareness about GST amongst common people." Paper presented at the National Seminar on Goods & Services Tax, sponsored by ICSSR, Aligarh Muslim University, Aligarh, India.
- Presented research work entitled "On Moments of Order Statistics from Normal and Gamma Distributions" in National Seminar on Advances in Statistics, March 18–19, 2026, organized by Department of Statistics, Institute of Science, Banaras Hindu University, Varanasi.

Professional Development

Workshops & Training Programs

- **National Seminar on Methodological Challenges and Terminological Issues in the Application of Statistics (NSMCTIAS - 2025)**, Banaras Hindu University, February 11-12, 2025.
- **High-End Workshop on Statistical Modelling in Ranking and Selection** (SERB Sponsored), Indian Institute of Technology Indore, January 18-24, 2024.
- **IEEE AI Symposium**, University of South Dakota (Virtual), April 11, 2024.
- **Faculty Development Programme on Mathematics in AI and Data Science**, Banasthali Vidyapith, Rajasthan, 2023.
- **International Workshop on Statistics & Optimization Techniques Using Software Packages**, Aligarh Muslim University, November 14-19, 2022.
- **Faculty Development Programme on Integrated Data Analytics - Tools and Applications**, AICTE-ATAL, Holy Cross College, Tiruchirappalli.
- **Faculty Development Programme on Foundation of Data Science & its Applications**, AICTE-ATAL, Indira Gandhi Delhi Technical University for Women.

Technical Skills

- **Statistical Software:** R, Minitab, MATLAB, SPSS
- **Programming:** R Programming, Statistical Computing
- **Data Analysis:** Regression Analysis, Bayesian Methods
- **Typesetting:** $\text{\LaTeX}$, Microsoft Office
- **Specializations:** Order Statistics, Record Values, Distribution Theory, Estimation Theory

Research Interests

- Generalized Order Statistics and Record Values
- Distribution Theory and Statistical Inference
- Bayesian and Classical Estimation Methods
- Statistical Modeling and Data Analysis
- Applications of Statistics in Business and Social Sciences

Teaching Interests

Teaching interests include Probability Theory, Statistical Inference, Sampling Theory, Linear Algebra, Calculus, and Differential Equations, along with Data Analytics using R, Predictive Modeling, Bayesian Statistics, and Applied Statistics. Committed to delivering conceptually strong and application-oriented instruction, with emphasis on problem-solving, statistical reasoning, and real-world data analysis for students from statistics, business, and engineering backgrounds.

Awards & Recognition

- 1st Prize in Aligarh Statistical & Operation Research Society Quiz Competition (Written), 2015
- Active volunteer in Sahityaotsav, Aligarh Muslim University, 2022

References

- **Dr. Mohd. Jahangir Sabbir Khan**
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