

Kapil Kumar

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Educational Qualifications

- **Ph.D. (Statistics).** Department of Statistics, Ch. Charan Singh University, Meerut in 2011.
- **M.Phil. (Statistics).** Department of Statistics, Ch. Charan Singh University, Meerut in 2008.
- **NET (Mathematical Sciences).** Joint CSIR-UGC in June 2007.
- **M.Sc. (Statistics).** Department of Statistics, Ch. Charan Singh University, Meerut in 2006.
- **B.Sc. (Statistics, Mathematics & Physics).** Meerut College Meerut, Ch. Charan Singh University, Meerut in 2004.

Career Profile

- **Assistant Professor.** Department of Statistics, Central University of Haryana, Mahendergarh-123031. June 10, 2016 to till date.
- **Assistant Professor (Ad-hoc).** Department of Statistics, University of Delhi, Delhi-110007. September 11, 2012 to May 20, 2016.
- **Teaching Assistant.** Department of Statistics, Ch. Charan Singh University, Meerut-250004. September 15, 2008 to September 10, 2012.

Administrative Assignments

- Member, School Board of School of Physical and Mathematical Sciences, CUH.
- Member, Board of Studies, Department of Statistics, CUH.
- Member, Departmental Research Committee, Department of Statistics, CUH.
- Member, Admission Committee, Department of Statistics, CUH
- Introduced new syllabus for Ph.D. course work, Department of Statistics, CUH.
- Introduced new/modified syllabus at PG level, Department of Statistics, CUH.
- Member, Internal Quality Assurance Cell (IQAC), Department of Statistics, University of Delhi for 2014-2016.
- Faculty Coordinator, Credence - The Placement Cell of the Department of Statistics, University of Delhi for 2013-2016.
- Member, Purchase Committee, Department of Statistics, University of Delhi for 2013-2016.
- Member, Syllabus Revision Committee for B.Sc. (H) Statistics under Choice Based Credit System (CBCS), Department of Statistics, University of Delhi, for 2014-2015.
- Member, Syllabus Revision Committee for B.Sc. (H) Statistics under Four Year Undergraduate

Programme (FYUP), Department of Statistics, University of Delhi, for 2012-2013.

Area of Interest/Specialization

- Reliability and Life Testing; Survival Analysis; Bayesian Inference.

Subjects Taught

- **Ph.D. Level:** Reliability and Life Testing; Research Methodology.
- **Postgraduate Level:** Linear Models and Regression Analysis; Survival Analysis; Sampling Techniques; Econometrics, Bayesian Inference; Statistical Methodology; Statistical Computing using R, Statistical Inference.

Research Guidance

- **Guidance of Ph.D. Students:** 01 (In Progress)
 1. Mr. Indrajeet Kumar.
- **Guidance of M.Sc. Students:** 06
 1. Dhiman, J. (2018). Data Analysis using R and Python.
 2. Deekshith, P. (2018). Data Analysis using SPSS.
 3. Yadav, S. (2018). A Review of Estimation Procedures for Some Lifetime Distributions.
 4. Thundiyil, A.V. (2017). Estimation in Some Lifetime Models.
 5. Sharma, K. (2017). Maximum Likelihood Estimation in Some Reliability Models.
 6. Kumari, P. (2017). Bayesian Estimation in Some Lifetime Models.

Research Papers Published

1. Chaturvedi A, Kumar N and **Kumar K***. (2018). Statistical Inference for the Reliability Functions of a Family of Lifetime Distributions based on Progressive Type II Right Censoring. *Statistica*. 78(1), pp. 81-101. ISSN: 1973-2201.
2. **Kumar K***. (2018). Classical and Bayesian Estimation in Log-Logistic Distribution under Random Censoring. *International Journal of System Assurance Engineering and Management*. 9(2), pp. 440-451. ISSN: 0975-6809. (**Springer**).
3. **Kumar K***., Garg R. and Krishna H. (2017). Nakagami Distribution as a Reliability Model under Progressive Censoring. *International Journal of System Assurance Engineering and Management*. 8(1), pp. 109-122. ISSN: 0975-6809. (**Springer**).
4. Garg R., Dube M., **Kumar K***. and Krishna H. (2016). On Randomly Censored Generalized Inverted Exponential Distribution. *American Journal of Mathematical and Management Sciences*. 35(4), pp. 361-379. ISSN: 0196-6324. (**Taylor & Francis**).
5. Krishna H., Vivekanand and **Kumar K***. (2015). Estimation in Maxwell Distribution with Randomly Censored Data. *Journal of Statistical Computation and Simulation*. 85(17), pp. 3560-3578. ISSN: 0094-9655. **Impact Factor: 0.869**. (**Taylor & Francis**).
6. **Kumar K***., Krishna H. and Garg, R. (2015). Estimation of $P(Y < X)$ in Lindley Distribution using Progressively First Failure Censoring. *International Journal of System Assurance Engineering and Management*. 6(3), pp. 330-341. ISSN: 0975-6809. (**Springer**).
7. **Kumar K.** and Garg R*. (2014). Estimation of the Parameters of Randomly Censored

Generalized Inverted Rayleigh Distribution. International Journal of Agricultural and Statistical Sciences. 10(1), pp. 147-155. ISSN: 0973-1903.

8. Krishna H*. and **Kumar K. (2013)**. Reliability Estimation in Generalized Inverted Exponential Distribution with Progressively Type II Censored Sample. Journal of Statistical Computation and Simulation. 83(6), pp. 1007-1019. ISSN: 0094-9655. **Impact Factor: 0.869. (Taylor & Francis)**.
9. Krishna H*. and **Kumar K. (2011)**. Reliability Estimation in Lindley Distribution with Progressively Type II Right Censored Sample. Mathematics and Computers in Simulation. 82(2), pp. 281-294. ISSN: 0378-4754. **Impact Factor: 1.476. (Elsevier Science Publishers)**.
10. Krishna, H*. and **Kumar K. (2011)**. Reliability Estimation in Generalized Gamma Distribution with Progressively Censored Data. International Journal of Agricultural and Statistical Sciences. 7(1), pp. 15-29. ISSN: 0973-1903.

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Books Published

1. Krishna H. and **Kumar K. (2016)**. Statistical Methods-II, 3rd Edition. Shree Sai Prakashan, India. ISBN: 9789380965673.
2. Krishna H. and **Kumar K. (2011)**. Business Statistics. Shree Sai Prakashan, India. ISBN: 9789380965338.
3. Krishna H., Joshi P.K. and **Kumar K. (2009)**. Mathematics and Statistics for Managers. Shree Sai Prakashan, India. ISBN: 9789380273235.

Invited Lectures

1. Delivered a series of lectures on the topic, “Data Science using R-Programming”, in a Two Day Workshop, Hindu College, University of Delhi, Delhi-110007 during November 2-3, 2018.
2. Delivered a series of lectures on the topic, “Statistical Techniques using R”, in Faculty Induction Training Programme under PMMMNMTT, Central University of Haryana, Mahendergarh-123031 on June 22 and June 29, 2018.

Conferences/Workshops Organized

1. Co-Convener, National Workshop on “Statistical Techniques and Data Analysis using R” during March 19-23, 2018 at Department of Statistics, Central University of Haryana, Mahendergarh.
2. Member, Organizing Committee, Workshop on “Statistical Computing using R” during September 14-15, 2013 at Department of Statistics, University of Delhi.

Conference Presentations

1. Attended and presented a paper, “Exponentiated Inverted Exponential Distribution under Random Censoring”, **International Conference** on Recent Trends of Computing in Mathematics, Statistics & Information Technologies during **March 09-11, 2018** at Bundelkhand University, Jhansi, India.
2. Attended and presented a paper, “Estimation in Log-logistic Distribution under Random Censoring”, **National Conference** on Statistics and Optimization in Techniques during **February 11-13, 2017** at M.D. University, Rohtak, India.

3. Attended and presented a paper, “On Randomly Censored Inverse Weibull Distribution”, VIII **International Symposium** on Statistics and Optimization in Conjunction with XXXVI-Annual Convention of Indian Society for Probability & Statistics (ISPS) during **December 17-19, 2016** at Aligarh Muslim University, Aligarh, India.
4. Attended and presented an **Invited Paper**, “Estimation in Stress-Strength Model with Lindley Distribution using Progressively First Failure Censored Data”, **National Conference** on Recent Statistical Computing Techniques and their Applications during **March 11-12, 2016** at Ramanujan College, University of Delhi, Delhi, India. Also, **Chaired a Session**.
5. Attended and presented a paper, “Inverted Exponentiated Rayleigh Distribution under Random Censoring”, **National Conference** on Recent Trends and Developments in Statistics during **February 21-23, 2015** at M.D. University, Rohtak, India.
6. Attended and presented a paper, “Estimation of Parameters of Nakagami Distribution with Progressively Censored Samples”, **National Conference** on Statistical Inference, Sampling Techniques and Related Areas during **February 18-19, 2014** at Aligarh Muslim University, Aligarh, India.
7. Attended and presented a paper, “Inferences on Scale Parameter of Progressively Censored Generalized Gamma Distribution”, **National Conference** on Statistical Inference, Sampling Techniques and Related Areas during **March 28-29, 2011** at Aligarh Muslim University, Aligarh, India.
8. Attended and presented a paper, “Reliability Inferences in Lindley Distribution with Progressively Type II Right Censored Sample”, **International Conference** on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-Informatics and Computer Applications during **January 5-8, 2011** organized by Banaras Hindu University, Varanasi, India.
9. Attended and presented a paper, “Reliability Inferences on Exponentiated Inverted Exponential Distribution under Progressive Type II Censoring”, **International Conference** on Development and Applications of Statistics in Emerging Areas of Science & Technology during **December 8-10, 2010** at University of Jammu, Jammu, India.

Workshops Attended

1. Attended National Workshop on “Statistical Techniques and Data Analysis using R” during **March 19-23, 2018** at Department of Statistics, Central University of Haryana, Mahendergarh.
2. Attended a Workshop on, “Reliability Theory and Survival Analysis” during **November 04-06, 2015** at Panjab University, Chandigarh, India.
3. Attended a Workshop on “Statistical Computing using R” during **September 14-15, 2013** at Department of Statistics, University of Delhi.
4. Attended a Workshop on, “Information Literacy & Competency”, during **January 17, 2013** organized by University of Delhi, Delhi, India.
5. Attended a Workshop on, “Statistical Analysis for Engineers”, during **July 2-6, 2012** organized by Indian Institute of Technology, Kanpur, India.
6. Attended a Workshop on, “Reliability Theory and Survival Analysis”, during **November 23-25, 2011** organized by Indian Statistical Institute, Kolkata, India.
7. Attended a Workshop on, “Modern Tools in Applied Statistics” during **December 4-7, 2010** at University of Jammu, Jammu, India.

Association with Professional Bodies

1. Life Member of Indian Society for Probability and Statistics.
2. Life Member of International Indian Statistical Association.
3. Life Member of Association of Inventory Academicians and Practitioners.
4. Life Member of the Indian Science Congress Association.

Other Activities

1. Participated in four week UGC Sponsored 110th Orientation Programme conducted by UGC-Human Resources Development Centre, Jawaharlal Nehru University, New Delhi from July 23, 2018 to August 17, 2018 and obtained "A" grade.

Papers Reviewed For

Applied Mathematical Modelling (**Elsevier Science Publishers**), Statistical Methodology (**Elsevier Science Publishers**), International Journal of Systems Assurance Engineering and Management (**Springer**), Iran Journal of Computer Science (**Springer**), Life Cycle Reliability and Safety Engineering (**Springer**), Communications in Mathematics and Statistics (**Springer**), Journal of Statistical Computation and Simulation (**Taylor & Francis**), Journal of Applied Statistics (**Taylor & Francis**), Statistics and Its Interface, Pakistan Journal of Statistics, Electronic Journal of Applied Statistical Analysis, Austrian Journal of Statistics, Journal of Applied Probability and Statistics, Journal of Statistics Applications & Probability.

Date : November 28, 2018

Place : CUH, Mahendergarh

(Kapil Kumar)