CURRICULAM VITAE

Dr. Devendra Kumar
M.Sc, M.Phil., PhD. (Statistics) from AMU, Aligarh and MPS from IIPS, Mumbai
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Current Position

Associate Professor
Department of Statistics,
Central University, Haryana
Mahenderhgarh, India

Academic Qualification

Degree	Details	Remark
Ph. D.	Statistics 2012 from Aligarh Muslim University (AMU) Aligarh, India. **Thesis Title:** Some Moments Problem in Generalized Order Statistics, Order Statistics and Record Values. **Thesis Advisor:** Dr. R. U. Khan	Awarded UGC Fellowship
M. Phil.	Statistics with Ist div. in 2008 from Aligarh Muslim University (AMU) Aligarh, India. **Dissertation Title:** Moments of Order Statistics and its Applications. **Dissertation Advisor:** Dr. R. U. Khan	Awarded UGC Fellowship and First Position in the Department
M. P. S.	Population Science (Correspondence) in 2008 from International Institute of Population sciences (IIPS) Mumbai, India.	--
M. Sc.	Statistics with Ist div. in 2006 from Aligarh Muslim University (AMU) Aligarh, India.	--

B. Sc. (Hons)	Statistics with subsidiary Mathematics and Physics with Ist div. in 2004 from Aligarh Muslim University (AMU) Aligarh, India.	--

Awards and Honors

- Best Researcher Award 2021 for Sciences and Engineering, Central University of Haryana.
- Best Researcher Award 2019 for Sciences, Central University of Haryana
- UGC Fellowship in PhD (2008 –2012).
- UGC Fellowship in M. Phil (2006 –2008).

Teaching and Research Experience

August 22, 2022 to till date	Associate Professor, Department of Statistics, Central University of Haryana, Mahendergarh, India.
June 21, 2016 to August 21, 2022	Assistant Professor, Department of Statistics, Central University of Haryana, Mahendergarh, India.
August 13, 2012-June, 20, 2016	Assistant Professor, Department of Statistics, Amity University, Noida, India

Administrative Assignments

July 2016-till date	Chairman Board of Studies, Department of Statistics, Central University of Haryana, India
July 2016-till date	Chairman Departmental Research Committee in Statistics, Department of Statistics, Central University of Haryana, India
Academic Session (2016 –)	Chairman Academic Audit Committee, Department of Statistics, Central University of Haryana, India
Jun 2018-Till date	Member, School Board of School of Physical and Mathematical Sciences, Central University of Haryana,

	India.
August 2016	Special invitee Member, Board of Studies of Department of Statistics, Central University of Haryana, India
July 2017-Till date	Chairman of Admission committee, Department of Statistics, Central University of Haryana, Mahendergarh.
October 2017-Till date	Chairman of Moderation committee, Department of Statistics, Central University of Haryana, Mahendergarh.
July 2017 to Till date	Member of Unnat Bharat Abhiyan Cell Central University of Haryana, India
July 2018 to till date	Member of book reading club, Central University of Haryana, India
October 2017-Till date:	Head/TIC, Department of Statistics, Central University of Haryana, India.
December 2017-Till date	Center superintendent Department of Statistics, Central University of Haryana, India.
July 2018-Till date	Member, Research Advisory Committee, Department of Education, Central University of Haryana, India.
July 2012-July 2015	Member, Board of Studies, Department of Statistics, Amity University Noida, India.
July 2014- July 2016	Member, Departmental Research Committee in Statistics, Department of Statistics, Amity University Noida, India
Academic Session (2012 – 2014 & 2014-2016)	Member, Academic Audit Committee, Department of Statistics, Amity University Noida, India
August 2012 to June 2016	Program Coordinator of the Graduate and Post Graduate Programs in Department of Statistics, Amity University, Noida.

Ph.D. Thesis Guided/ In Progress

1. Mr. Mohammad Samir Farooqi, Some aspect of generalized order statistics order statistics and record values, 2020. at Amity University, Noida (Currently Senior Scientist at ISARI New Delhi).
2. Mansoor Rashid Malik, Some moments problems in order statistics, records and generalized order statistics, 2020, at Amity University, Noida (Currently working in an industry, New York).
3. Maneesh Kumar, Developing the new probability model and associated inferences based on order statistics, 2022 at Central University Haryana (Currently Assistant Director at Indian Statistical Service).
4. Bishal Diyali**,** Selection of appropriate Lifetime model in the presence of censoring, in progress at Central University Haryana.
5. Priya Yadav**,** Statistical inference and the related problems on life testing and reliability in progress at Central University Haryana.
6. Ramender Yadav, Inferences of some probability models based on order statistics in progress at Central University Haryana.
7. Anju Gereval (2022), Some contribution to the life testing models in the Presence of classical and Censoring in progress at Central University Haryana.

M.Sc. Thesis Guided

1. Gaganpreet Kaur, "Some moments problems in record statistics", Amity University, Noida, 2014.
2. Swati Ahuja, "Gender dimensions of employment in India", Amity University, Noida, 2014.
3. Tanushree, "Infrastructure and GDP of India", Amity University, Noida, 2014.
4. Ravina Manocha, "Effect of domestic violence against women in India due to the factor women's literacy, women's employment and women's exposure to media.", Amity University, Noida, 2014.
5. Chantanya Kholi, "Solving India's energy crisis-converting waste into energy.", Amity University, Noida, 2014.
6. Rajat Sarker, "Univariate distributions and it applications", Amity University, Noida, 2015.
7. Mridusmita Dutta, "Career Perceptions", Amity University, Noida, 2015.

8. Shivani Gupta, “Statistical inference for the type I generalized half logistic distribution based on upper record values”, Amity University, Noida, 2015.
9. Kanita Grover, “Statistical inference based on generalized order statistics”, Amity University, Noida, 2015.
10. Isha, “L-Moments and TL-Moments of univariate distributions”, Amity University, Noida, 2015.
11. Divya, “Some relations of continuous distribution based on lower and upper record values”, Amity University, Noida, 2016.
12. Shivani Gupta, “Moments and estimation of univariate distribution based on record values”, Amity University, Noida, 2016.
13. Shraddha Sen, “Maximum likelihood estimator of univariate distributions”, Amity University, Noida, 2016.
14. Arushi Kalra, “Univariate distribution and its applications”, Amity University, Noida, 2016.
15. Isha, “Some aspect of order statistics”, Amity University, Noida, 2016.
16. Kanika Gupta, “Order statistics based on continuous distributions”, Amity University, Noida, 2016.
17. Shailaja Sethi, “Moments of continuous distributions based on record values”, Amity University, Noida, 2016.
18. Preeti Yadav, “Higher moment of order statistics and related inference”, Central University of Haryana, 2017.
19. Deepak Sharma, “Inference based on record values”, Central University of Haryana, 2017.
20. Dinesh Kumar, “Moments properties of order statistics”, Central University of Haryana, 2017.
21. Kartik Yadav, “A review on some Beta-generated and Mc-Donald distributions”, Central University of Haryana, 2018.
22. Shiwangi, “Moments properties of order statistics and its applications”, Central University of Haryana, 2018.
23. Rajeev Kumar Verma, “Some moments of kth record values and its applications”, Central University of Haryana, 2018.
24. V.Venkatanarayana Reddy, “Role of bootstrap value in phylogeny analysis”, Central University of Haryana, 2018.

25. Rishkesh Raman, “New generated continuous family of distribution: Properties and estimation with application”, Central University of Haryana, 2019.
26. Sapna Yadav, “Estimation of location and scale parameters of some continuous distributions based on order statistics”, Central University of Haryana, 2019.
27. Dinesh Kumar, “A family of compounding lifetime distributions: Properties and estimation”, Central University of Haryana, 2019.
28. Kammila Jaritha, “Analysis and Visualization of heart disease UCI data in R”, Central University of Haryana, 2019.
29. Jyoti Yadav, “Gompertz family of distributions and their moments”, Central University of Haryana, 2019.
30. Poonam, “Moments of some lifetime model based on lower record values”, Central University of Haryana, 2019.
31. Anuj Kumar, “Multivariate non-parametric test for independence”, Central University of Haryana, 2019.
32. Nitish Kumar, “Statistical inference of Mixture Families of Distribution: Properties and estimation with Forest and climate change data application.”, Central University of Haryana, 2020.
33. Sunny, “Analysis Crime Against Women Data Using R”, Central University of Haryana, 2020.
34. Deeksha Chawla, “Weibull Marshall-Olkin family of distributions: Properties and Estimation”, Central University of Haryana, 2020.
35. Yogesh Kumar, “Stochastic Process: A review”, Central University of Haryana, 2020.
36. Saloni Goel, “Modified Lindley Family of Distributions: Properties and Estimation with Application”, Central University of Haryana, 2021.
37. Aakansha Kakran, “Moments of Order Statistics and Associated Inference with Application.”, Central University of Haryana, 2021.
38. Saruchi, “Estimation of Scale and Location Parameter of Continuous Distributions Based on Order Statistics”, Central University of Haryana, 2021.
39. Anju, “Power Lindley Distribution and its Properties Based on Order Statistics”, Central University of Haryana, 2021.
40. Ramender Yadav, “Estimation of parameters from power modified Lindley and unit generalized inverse Weibull distributions.”, Central University of Haryana, 2022.
41. Suman Pal, “Inferences for record values and record times of some specific distributions’, Central University of Haryana, 2022.

42. Mahendran V, “Statistical analysis of average sales price of gold and silver in domestic and foreign market”, Central University of Haryana, 2022.
43. Anju Grewal, “Inference with power exponentiated gamma and exponentiated chen distribution”, Central University of Haryana, 2022.
44. Garima Yadav, “Modified Lindley family of distribution: properties and estimation”, Central University of Haryana, 2022.

Membership in Scientific Societies:

- Indian society for probability and statistics (Life Member).
- Kerala Statistical Association (Life Member).

Orientation Programme

1. Participated in Orientation Programme from 24-08-2017 to 21-09-2017 organized by UGC Human Resource Development Centre (HRDC), Centre for Professional Development in Higher Education University of Delhi, Delhi-110007 and obtained ‘A’ grade.

2. Participated in Refresher Course in Computational & Mathematical Studies (Computer Science, Mathematics & Statistics) from 29-08-2018 to 19-09-2018 organized by UGC Human Resource Development Centre (HRDC), Jamia Millia Islamia University, New Delhi and obtained ‘A’ grade.

3. Participated in Refresher Course in Mathematical Science from 14-06-2021 to 28-06-2021 organized by Teaching Learning Centre Ramanujan College University of Delhi.

4. Participated in Two-Week Interdisciplinary Refresher Course in Advanced Concept in Developing MOOCS from 06-10-2021 to 20-10-2021 organized by Teaching Learning Centre Ramanujan College University of Delhi.

Invited Talks/Lectures:

1 Delivered four lectures in a “Workshop on the Applications of Statistics in Social Science & Research” organized by the Department of Statistics, Panjab University, Chandigarh (March 30, 2022).

2 Delivered four lectures in a "National Workshop on "Research Methodology & Scientific Tools" organized by the Madhyanchal Professional University Bhopal, Madhya Pradesh (June 14-16, 2021).

3 Delivered six lectures in a "Short Term Course on Statistical Techniques using R software" organized by the Department of Mathematics and Scientific Computing, National Institute of Technology (NIT) Hamirpur, Himachal Pradesh, India (December 9-14, 2019).

4 Delivered two lectures in a Winter School on "Advances in Designing and Analysis of Field Crop Experiments**"** organized by the Indian Agricultural Statistical Research Institute (ISARI), New Delhi (October 14-November 03, 2019).

5 Delivered four lectures in a "National Workshop on Scientific Computing with R in Gravitational Theory" organized by the Department of Mathematics and Statistics, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, Uttar Pradesh (October 14-19, 2019).

6 Delivered four lectures in a "National Workshop on Research Methodology & Data Analysis" organized by the Department of Humanities and Social Sciences, National Institute of Technology (NIT) Hamirpur, Himachal Pradesh, India (June 24-30, 2019).

7 Delivered four lectures in a "Short Term Course on Data Analysis/SPSS and Minitab" organized by the department of Mathematics, National Institute of Technology, Hamirpur, Himachal Pradesh, India (October 09-15, 2017).

8 Delivered a lecture in a "National Workshop on Inventory and Transportation organized by the department of mathematics and statistics Banasthali University, Banasthali, (March 15 -18, 2012).

Session Chair:

- 2nd International conference on Recent Advances in Computational Mathematics & Engineering organized by Department of Mathematics B.K. Birla Institute of Engineering & Technology, Pilani, Rajasthan, India from 30-31 May 2022.

Papers Presented in Conferences:

1. Does the child loss at initial phase of Reproduction affect fertility Behavior among women in Uttar Pradesh? "VI International Symposium on Optimization and Statistics" organized by Department of Statistics and operations Research, Aligarh Muslim University, Aligarh (December, 29-31, 2008).

2. Relations for moments of lower generalized order statistics from exponentiated Pareto distribution. "National Conference on Recent Developments in Science & Technology" organized by Shri Varshney Mahavidyalaya Aligarh Affiliated to Dr. Ambedkar University Agra (February, 15-16, 2009).

3. On moments of lower generalized order statistics from exponentiated Pareto distribution and its characterization. "National Seminar on Computational Mathematics Operations Research" organized by B.K. Birla Institute of Engineering & Technology Pilani (November, 28-29, 2009).

4. Relations for moment generating functions of lower generalized order statistics from doubly truncated continuous distributions and its characterization. "International Conference on Development and Applications of Statistics in emerging areas of Science and Technology" organized by department of statistics, University of Jammu, Jammu, India (December, 8-10, 2010).

5. Moments of generalized order statistics from Erlang-truncated exponential distribution and its characterization. "International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-statistics, Bio-informatics and Computer Applications" organized by Department of Statistics, Banaras Hindu University, Varanasi, India (January 5-8, 2011).

6. Generalized order statistics from Kumaraswamy distribution and its characterization. " Bhopal Seminar on Contemporary Issues in Mortality Health and Development in India "organized by SHYAM' Institute Bhopal, India (January, 19-21, 2011).

7. Lower generalized order statistics from exponentiated gamma distribution and its characterization. "National Conference on Statistics for twenty-first Century and annual conference of Kerala Statistical Association" organized by Department of Statistics, Kerala University, Thiruvananthapuram, Kerala (March, 17-19, 2011).

8. Relations for expectations of lower generalized order statistics from exponentiated log-logistic distribution and its characterization. "National Conference on Statistical Inference, Sampling Techniques and Related Areas" organized by Department of

Statistics and Operations Research Aligarh Muslim University, Aligarh, India (March 28 - 29, 2011).

9. Expectation identities of lower generalized order statistics from generalized exponential distribution and a characterization. "New development in theory and applications of Statistics an International Conference in memory of Moti Lal Tiku" organized by Department of Statistics Middle East Technical University Anakra , Turkey (May, 2-4, 2011).

10. Recurrence relations for moments of kth lower record values from exponentiated log-logistic distribution and a characterization. "CONIAPS-XIII, 13th International conference of International Academy of Physical Sciences" organized by University of Petroleum and Energy Studies, Dehradun (June 14-16, 2011).

11. Relations for marginal and joint moment generating functions of generalized exponential distribution based on lower generalized order statistics and a characterization. "National Research Scholars meet in Mathematical Sciences, organized by Department of Mathematics Indian Institute of Technology Kharagpur India (October 15-18, 2011).

12. Explicit expression for kth lower record values from J-shaped distribution and a characterization. "Bhopal Seminar on Contemporary Issues in Population, and Reproductive and Child Health in India" organized by SHYAM' Institute Bhopal, India (January, 18-20, 2012).

13. Relations for moment generating functions of lower generalized order statistics from doubly truncated continuous distributions and a characterization. "II National Conference on Statistical Inference, Sampling Techniques and Related Areas" organized by Department of Statistics and Operations Research Aligarh Muslim University, Aligarh, India (February 11 - 12, 2012).

14. Relations for moments of on lower generalized order statistics from J-shaped distribution and its characterization. "National Conference on advances and applications in Statistics" organized by Department of Statistics Panjab University, Chandigarh, India (February, 20-21, 2012).

15. Moment generating functions of lower generalized order statistics from generalized logistic distributions and its characterization. "National Seminar on New Dimensions

in Statistics: Concepts and issues" organized by Department of Statistics Banaras Hindu University, Varanasi, India (March 02-04, 2012).

16. Relations of Dagum distribution based on lower generalized order statistics. "Bhopal Seminar on population development in India" organized by SHYAM Institute Bhopal, India (January, 21-23, 2015).

17. Extended exponential distribution based on order statistics. "Bhopal Seminar on Population Transition in India Challenges and Opportunities" organized by SHYAM Institute Bhopal, India (January, 14-16, 2016).

18. Exponentiated Burr XII distribution: Moments and estimation based on lower record values. "National Conference on Computational Mathematics & Operations Research" organized by BK Birla Institute of Engineering and Technology, Pilani, Rajasthan, India (October, 15-16, 2016).

19. On order statistics, generalized order statistics and dual order statistics from the exponential-geometric distribution. "VIII International Symposium on Optimization and Statistics" organized by Aligarh Muslim University, Aligarh, India (December, 17-20, 2016).

20. The Kumaraswamy-Burr III distribution based on upper record values. "National Seminar on Demographic Dimensions of Sustainable Development in India" organized by SHYAM Institute Bhopal, India (January, 18-20, 2017).

21. Order statistics from Power Lindley distribution and associate inference. "National Seminar on Contemporary Issues in Maternal and Child Mortality in India" organized by SHYAM Institute Bhopal, India (January, 10-12, 2018).

22. Moments properties based on generalized Lindley distribution and associated inference. "International conference on emerging innovations in statistics & operations research" organized by Department of Statistics, M. D. University Rohtak, India (December 27-30, 2018).

23. Power Modified Lindley distribution: Properties, classical estimation and regression model with applications "International Conference Recent Advances in Computational Mathematics & Engineering" organized by Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani, Rajasthan (March, 19-21, 2021).

24. Generalized Topp-Leone distribution based on order statistics with application to tissue damage proportions in blood "International Conference (Virtual Mode) on Emerging Trends in Statistics and Data Science in Conjunction with 40th Annual Convention of Indian Society for Probability & Statistics" jointly Organized by the Departments of Statistics of Cochin University of Science & Technology, Cochin, M.D. University, Rohtak University of Kerala, Trivandrum, Bharathiar University, Coimbatore The Madura College (Autonomous), Madurai (September 7-10, 2021).

25. Inferences for modified Lindley distribution under order statistics with application "An International Conference (Online) on Recent Application of Statistical Techniques and Analysis" Organized by Department of Statistics Banaras Hindu University, Varanasi (December 15-17, 2021).

26. Moments of order statistics of Generalized Topp-Leone distribution with application "Family Planning in India: Relevance, Opportunities, Challenges" organized by SHYAM Institute Bhopal, India (February, 16-17, 2022).

Conferences Attended

1. Satellite conference of International Congress of Mathematician on Mathematics in Science and Technology from 15-17 August 2010 at Delhi.

2. International Conference on Recent Trend Material and Devices from October 30-31, 2013 at Amity Institute of Applied Science, Amity University, Noida-201303, India.

3. National Education Meet from January 09-10, 2014 at Gandhi Nagar, Gujarat, India.

4. Vth National Conference on Statistical Inference, Sampling Techniques and Related Topics from 24-25 March, 2015 at Department of Statistics and Operations Research Aligarh Muslim University, Aligarh - 202 002, India.

5. Young Scientist conference, India International Science Festival from 05-08, October 2018 at Indra Gandhi Pratishthan, Lucknow.

6. International conference on Trend in Computational and Cognitive Engineering from 28-30 November, 2019 at Central University of Haryana.

Workshops Attended:

1. A short term Course on Statistical Analysis Using SPSS from 15-19, 2007 January at Aligarh Muslim University (AMU), Aligarh.

2. Instructional conference on singular value Decomposition and its applications from 19-23 February 2007 at Indian Statistical Institute (ISI), Hyderabad.

3. National Symposium on applications of Statistics and operations Research in Indian Industry from 17-20 December 2007 at Indian Statistical Institute (ISI), Hyderabad.

4. Research Workshop in Optimization Theory and Applications from 3-6 September 2008 at Indian Institute of technology (IIT), Kanpur.

5. A Workshop on Bayesian Technique and its Applications from 1-7 October 2009 at Banasthali University, Banasthali Rajasthan.

6. National Seminar on Time series Modeling From 03-06 Oct. 2009 at Banasthali University, Banasthali (Rajasthan).

7. Advanced Training Program (ATP) on Bayesian Statistics Theory and applications from 21-27 December 2009 at DST Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University (Utter Pradesh).

8. Workshop on Data Analysis with R and SPSS from 01-06 February 2010 at Department of Statistics and Operations Research, Aligarh Muslim University (AMU) Aligarh.

9. International workshop on Inverse Problems and Wavelets with Applications to Real World Systems 14 August 2010 at Delhi.

10. National workshop on Modern tools in applied statistics from 4-7 December 2010 at Department of Statistics University of Jammu, Jammu - 180 006 (J&K) India.

11. National workshop on Vedic Gadhit on 30 Jan. 2011 at Shri Varshney Mahavidyalaya Aligarh Affiliated to Dr. Ambedkar University Agra.

12. National Workshop on Block Designs and their Applications from 05 Feb. 2011 to 08 Feb. 2011 at Banasthali University, Banasthali (Rajasthan).

13. National Workshop on Inventory and Transportation from 15 -18 March 2012 at Banasthali University, Banasthali (Rajasthan).

14. A Workshop on Reliability and Survival Analysis from 03-05 Dec. 2012 at Indian Institute of Technology Kanpur, India.

15. National Workshop on Advanced Analytical Techniques in Research & Development from 19-20 Dec. 2012 at Amity Institute of Applied Sciences, Amity University Noida, India.

16. One-week residential training program on official statistics from 01-05 January 2018 by National Statistical Systems Training Academy Ministry of statistics and Programme Implementation.

17. National workshop on Statistical Techniques and Data Analysis with R from 19-23 March 2018 at Department of statistics, Central University of Haryana, Mahendergarh.

18. National workshop on Teaching, Learning and Evaluation online with Moodle MOOC platform and open education Resources from 14-16 May 2018 at Department of Education, Central University of Haryana, Mahendergarh.

19. One-Week workshop on professional development and capacity building of teachers of higher education institutions from 11-18 March 2019 at Department of Education, Central University of Haryana, Mahendergarh.

20. National workshop on "Science and Technology Sensitization Programme for Women" from 6-7 November 2019 at Central University of Haryana, Mahendergarh.

21. National workshop on "Applications of Mathematical and Statistical Tools" from March 20-24, 2021 at Department of Mathematics and Statistics, Central University of Haryana, Mahendergarh.

22. National workshop on "Applications of Statistical Tools in Data Analysis" from March 21-25, 2022 at Department of Statistics, Central University of Haryana, Mahendergarh.

23. One-week residential training program on official statistics from 01-05 August 2022 by National Statistical Systems Training Academy Ministry of statistics and Programme Implementation.

Organization of conference and workshop

- One day workshop on statistics and application with SAS software.

- **Convener** National workshop on Statistical Techniques and Data Analysis with R from 19-23 March 2018.

- **Organizing Secretary-** National Conference on "Bharat Ka Vigyan me Yogdan"- 2020.

- **Organizing Secretary-** National workshop on "Applications of Mathematical and Statistical Tools" from March 20-24, 2021.

- **Convener** One Week Online National Workshop on "Applications of Statistical Tools in Data Analysis" from March 21-25, 2022.
- **Convener:** National webinar on estimating ordered parameters and estimating mean under restrictions in normal exponential populations from february 09, 2022.
- **Convener:** National webinar on estimation of direction parameters from february, 14, 2022.
- **Convener:** International webinar on an introduction to statistical Meta-Analysis with applications from April 07, 2022.

Team Member of Organizing National / International Workshops, Symposia, and Conferences:

- National Workshop on Advanced Analytical Techniques in Research & Development from 19-20 Dec. 2012

  [**My Participation**: in all financial transactions of Conference and also registered the delegates of the workshop].

- International Conference on Recent Trend Material and Devices from October 30-31, 2013 at Amity Institute of Applied Science, Amity University, Noida-201303, India.

  [**My Participation**: in all financial transactions of Conference and also transportation and accommodation the delegates of the conference].

- 60^{th} Annual Conference of "Association of Microbiologists of India (AMI-2019)" and International Symposium on "Microbial Technologies in Sustainable Development of Energy, Environment, Agriculture and Health" from November 15-18, 2019 at central University of Haryana, India.

  [**My Participation**: Member in poster committee].

- International Conference on Trend in Computational and Cognitive Engineering from November 28-30, 2019 at central University of Haryana, India.

  [**My Participation**: Member in food committee].

Publications

Papers Published

1. **Kumar, D.,** Wang, L., Dey, S. and Salehi, M. (2022). Inference on generalized inverted exponential distribution based on record values and inter-record times, *Afrika Matematika,* (To appear).
2. **Kumar, D.,** Nassar, M.**,** Dey, S. and Diyali, B. (2022 Analysis of an inverted modified Lindley distribution using dual generalized order statistics, *Strength of Materials*, (To appear).
3. Kharazmi, O., **Kumar, D.** and Dey, S. (2022). Power modified Lindley distribution: properties, classical and Bayesian estimation and regression model with applications, *Austrian Journal of Statistics*, (To appear).
4. **Kumar, D.** Kumar, M. Yadav, S. and Goyal, A. (2022). A new parameter estimation method for the extended power Lindley distribution based on order statistics with application *STATISTICS IN TRANSITION new series* (To appear).
5. **Kumar, D.** and Kumar, M. and Saran, J. (2022). Power generalized Weibull distribution based on record values and associated Inferences with bladder cancer data example, *Communications in Mathematics and Statistics*, (To appear).
6. **Kumar, D.** and Sharma, V. K. (2021): An extension of exponentiated Gamma distribution: A new regression model with application, *Lobachevskii Journal of Mathematics* (To appear).
7. **Kumar, D.**, Nassar, M. and Dey, S. (2021). Progressive type-II censored data and associated inference with application based on Li-Li Rayleigh distribution, *Annals of Data Sciences* (To appear).
8. Dey, S., Altun, E., Kumar, D. and Ghosh, I. (2021). The reflected-shifted-truncated Lomax distribution: Associated inference with applications, *Annals of Data Sciences* (To appear).

9. **Kumar, D.,** Nassar, M., Malik, M.R. and Dey, S. (2021): Estimation of the location and scale parameters of generalized Pareto distribution based on progressively type-II censored order statistics, *Annals of Data Sciences* (To appear).

10. Shakhatreh, M. K., Dey, S. and **Kumar D.** (2022). Inverse Lindley power series distributions: A new compounding family and regression model with censored data, *Journal of Applied Statistics***, 49**, 3451-3476.

11. **Kumar, D.,** Nassar, M. and Dey, S. (2022). Constant Stress Accelerated Life Test: Different Methods of Estimation Under the Exponentiated Power Lindley Distribution, *Strength of Materials*, **54**, 444-461.

12. Alotaibi, R., Almetwally, E. M., **Kumar, D.** and Rezk, H. (2022). Optimal Test Plan of Step-Stress Model of Alpha Power Weibull Lifetimes under Progressively Type-II Censored Samples, *Symmetry*, **14**, 1801.

13. Kumar, D., Kumar, M. and Joorel, J.P.S. (2022). Estimation with modified power function distribution based on order statistics with application to evaporation data, *Annals of Data Sciences* **9**, 723–748.

14. Kharazmi, O., Dey, S. and **Kumar, D.** (2022). Statistical Inference on 2-Component Mixture of Topp-Leone Distribution, Bayesian and non-Bayesian Estimation, *Journal of Mathematical Extension* **9**, 1-41.

15. Afify, A. Z., Nassar, M., **Kumar, D.** and Cordeiro, G. M. (2022). A New Unit Distribution: Properties, Inference, and Applications, *Electronic Journal of Applied Statistical Analysis*, **15**, 460-484.

16. **Kumar, D.**, Nassar, M. and Dey, S. and Farouq Mohammad A. Alam (2021). On Estimation Procedures of Constant Stress Accelerated Life Test for Generalized Inverse Lindley Distribution, *Quality and Reliability Engineering International* **38**, 211-228.

17. Dey, S., **Kumar, D.,** Anis, M. Z. Nadarajah, S. and Okorie, I. E. (2021). A review of transmuted distributions, *Journal of the Indian Society for Probability and Statistics* **22**, 47–111.

18. **Kumar, D.,** Nassar, M., Dey, S. and Elshahhat, A. (2021). Inferences for generalized Topp-Leone distribution under dual generalized order statistics with applications to

Engineering and COVID-19 data, *Model Assisted Statistics and Applications* **16**, 125-141.

19. Khaoula, A., Dey, S., **Kumar, D**. and Seddik-Ameur, N. (2021). Different classical methods of estimation and Chi-squared goodness-of-fit test for unit generalized inverse Weibull distribution, *Austrian Journal of Statistics*, **50**, 77-100.

20. **Kumar, D.**, Kumar, M., Ahmed M. T. Abd El-Bar and Maria do Carmo S. Lima (2021). The Weibull Marshall-Olkin Lomax Distribution with Applications to Bladder and Head Cancer Data, *J. Appl. Math. & Informatics*, **39**, 785-804.

21. Farooqi, M. S., **Kumar, D**., Mishra, D. C., Rai, A. and Singh, N. K. (2021): A hybrid method for differentially expressed genes identification and ranking from RNA-Seq data, *International Journal of Bioinformatics Research and Applications*, **17**, 38 - 52.

22. **Kumar, D.,** Jain, N., Nassar, M. and Abo-Kasem, O. E. (2021): Parameter estimation for the exponentiated Kumaraswamy-power function distribution based on order statistics with application, *Annals of Data Sciences*, **8**, 785–811.

23. Al-Babtain, A. A., **Kumar, D.,** Gemeay, A. M., Dey, S. and Afify, A. Z. (2021). Modeling Engineering Data Using Extended Power-Lindley Distribution: Properties and Estimation Methods, *Journal of King Saud University-Science,* **33**, 101582.

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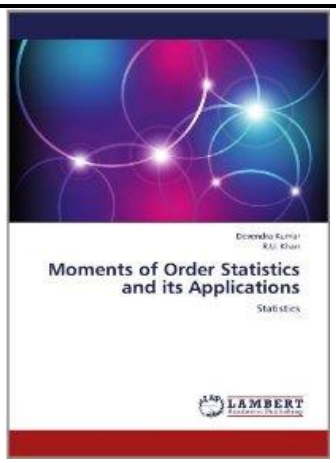
1.		Moments of Order Statistics and its Application, LAP LAMBERT Academic Publishing GmbH & Company, Germany. (Co-author with R. U. Khan), 2012, ISBN 978-3-659-18289-1.
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Country Visited

Turkey

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