

CURRICULAM VITAE

Devendra Kumar

M.Sc, M.Phil., PhD. (Statistics) from AMU,
Aligarh and MPS from IIPS, Mumbai



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Web-Page <http://www.cuh.ac.in/departement-of-statistics.aspx>

https://www.researchgate.net/profile/Devendra_Kumar14

<https://scholar.google.co.in/citations?user=YqYO764AAAAJ&hl=en>

Current Position

Assistant Professor and Head/TIC
Department of Statistics,
Central University, Haryana
Mahendergarh, India

Academic Qualification

Degree	Details	Remark
	Statistics 2012 from Aligarh Muslim University (AMU) Aligarh, India.	Awarded UGC Fellowship
Ph. D.	Thesis Title: Some Moments Problem in Generalized Order Statistics, Order Statistics and Record Values. Thesis Advisor: Dr. R. U. Khan	

M. Phil.	Statistics with Ist div. in 2008 from Aligarh Muslim University (AMU) Aligarh, India.	Awarded UGC Fellowship and First Position in the Department
	Dissertation Title: Moments of Order Statistics and its Applications.	
	Dissertation Advisor: Dr. R. U. Khan	
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 Honours

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

Teaching and Research Experience

June 2016-Til date : Assistant Professor, Department of Statistics, Central University of Haryana, Mahendergarh, India.

August 2012-June 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-	Member, Academic Audit Committee, Department of Statistics, Amity University Noida, India

2016)	
August 2012 to June 2016	Program Coordinator of the Graduate and Post Graduate Programs in Department of Statistics, Amity University, Noida.

RESEARCH STUDENTS SUPERVISED

Doctor of Philosophy (Ph. D.): 03

1. **Mr. Mohammad Samir Farooqi**, (2015). Some aspect of generalized order statistics order statistics and record values. (Awarded 2020).
2. **Mansoor Rashid Malik (2015)**. Some moments problems in order statistics, records and generalized order statistics (Submitted).
3. **Maneesh Kumar (2018)**. Developing the new probability model and associated inferences based on order statistics (ongoing).

Masters degree theses

Year	Name	Topic
2014	Ms. Gaganpreet Kaur	Some moments problems in record statistics
	Ms. Swati Ahuja	Gender dimensions of employment in India.
	Ms. Tanushree	Infrastructure and GDP of India.
	Ms. 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.
	Mr. Chantanya Kholi	Solving India's energy crisis-converting waste into energy.
	Mr. Rajat Sarker	Univariate distributions and it applications
	Ms. Mridusmita Dutta	Career Perceptions
	Ms. Shivani Gupta	Statistical inference for the type I generalized half logistic distribution based on upper record values

2015	Ms Kanita Grover	Statistical inference based on generalized order statistics
	Ms. Isha	L-Moments and TL-Moments of univariate distributions
2016	Ms Divya	Some relations of continuous distribution based on lower and upper record values
	Ms Shivani Gupta	Moments and estimation of univariate distribution based on record values.
	Ms Shraddha Sen	Maximum likelihood estimator of univariate distributions
	Ms. Arushi Kalra	Univariate distribution and its applications.
	Ms. Isha	Some aspect of order statistics
	Ms Kanika Gupta	Order statistics based on continuous distributions
	Ms. Shailaja Sethi	Moments of continuous distributions based on record values
2017	Ms Preeti Yadav	Higher moment of order statistics and related inference
	Mr. Deepak Sharma	Inference based on record values
	Mr. Dinesh Kumar	Moments properties of order statistics
2018	Mr. Kartik Yadav	A review on some Beta-generated and Mc-Donald distributions
	Ms. Shiwangi	Moments properties of order statistics and its applications
	Mr. Rajeev Kumar Verma	Some moments of kth record values and its applications
	Mr. V.Venkatanarayana Reddy	Role of bootstrap value in phylogeny analysis
2019	Mr. Rishkesh Raman	New generated continuous family of distribution: Properties and estimation with application
	Ms Sapna Yadav	Estimation of location and scale parameters of some continuous distributions based on order statistics
	Mr. Dinesh Kumar	A family of compounding lifetime distributions: Properties and estimation
	Ms Kammila Jaritha	Analysis and Visualization of heart disease UCI data in R
	Ms Jyoti Yadav	Gompertz family of distributions and their moments
	Ms. Poonam	Moments of some lifetime model based on lower record values

	Mr. Anuj Kumar	Multivariate non-parametric test for independence
2020	Mr. Nitish Kumar	
	Mr. Sunny	
	Ms Deesha	

Achievements:

- Member, American Mathematical Society.
- Member, Editorial Advisory Board, Journal of Advances in Management Science and Information Systems, Canada.
- Member, Editorial Advisory Board, International Journal of Statistics in Medical and Biological Research, Canada.
- Member, Editorial Advisory Board, GJMS International Publication House, India.
- Member, Editorial Advisory Board, Journal of Advances in Industrial Engineering and Management, USA.
- Selected for **Bharat Jyoti Award**, by IIFS, New Delhi.

Memberships of Professional Body

- Indian society for probability and statistics.
- Kerala Statistical Association.
- Indian Bayesian Society

Area of Research Interest

Statistical Inference

Order Statistics

Record Values

Generalized Order Statistics

Distribution Theory

Teaching Interest

Probability and probability distributions

Statistical methods

Statistical inference

Applied statistics

Sample surveys

Multivariate Analysis

Survey Project Works

- “Statistical study of the level of occupational aspiration among the students of A.M.U” in B.Sc.
- “Consciousness and attitude towards health and hygiene of A.M.U Community” in M.Sc.

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

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

[**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].

- 60th 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].

Course Development

- I designed the new course “Mathematical Statistics” given to students in the Mathematics Department. The course has been taught the first time in 2012 and is well established.
- I developed the course “Geo Statistics for Geo Informatics and Remote Sensing” given to students in the M.Sc. and Engineering.
- I developed the course “Statistics for Biology” and “Statistical Analysis” given to students in the Institute of Food Technology.

Orientation Programme

- 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.
- 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.

Invited Talks/Lectures:

- 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).
- 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, New Delhi (October 14-November 03, 2019).
- 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).

- 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).
- 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).
- 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).

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).

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 Congitive 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 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.

Organization of conference and workshop

- National Workshop on Advanced Analytical Techniques in Research & Development from 19-20 Dec. 2012.
- International Conference on Recent Trend Material and Devices from October 30-31, 2013.
- One day workshop on statistics and application with SAS software.
- National workshop on Statistical Techniques and Data Analysis with R from 19-23 March 2018.

Publications

Papers Published

1. **Kumar, D.,** Nassar, M. Malik, M.R. and Dey, S. (2020): 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).

2. Malik, M.R. and **Kumar, D.** (2020): Relations for single and product moments of Exponential-Weibull distribution based on progressively censored data, *International Journal of Agricultural and Statistical Sciences*, (To appear).
3. Kumar, D., Kumar, M. and Joorel, J.P.S. (2020). Estimation with modified power function distribution based on order statistics with application to evaporation data, *Annals of Data Sciences* (To appear).
4. **Kumar, D.** and Jain, N. (2019): Relations for the Moments of dual generalized order statistics from exponentiated Pareto type I distribution, *Tamsui Oxford Journal of Mathematical Sciences* (To appear).
5. **Kumar, D.**, Dey, S. Ormoz, E. and MirMostafae, S.M.T.K. (2019). Inference for the unit-Gompertz model based on record values and inter-record times with an application, *Rendiconti del Circolo Matematico di Palermo*, (To appear).
6. Singh, S., Dey, S. and **Kumar, D.** (2019). Statistical inference based on generalized Lindley record values, *Journal of Applied Statistics*, (To appear).
7. **Kumar, D.**, Jain, N., Nassar, M. and Abo-Kasem, O. E. (2019): Parameter estimation for the exponentiated Kumaraswamy-power function distribution based on order statistics with application, *Annals of Data Sciences*, (To appear).
8. Dey, S., Ali, S. and **Kumar, D.** (2019). Weighted Inverted Weibull Distribution: Properties and Estimation, *Journal of Statistics & Management Systems*, (To appear).
9. Farooqi, M. S., **Kumar, D.**, Mishra, D. C., Rai, A. and Singh, N. K. (2019): A hybrid method for differentially expressed genes identification and ranking from RNA-Seq data, *International Journal of Bioinformatics Research and Applications*, (To appear).
10. Farooqi, M.S. and **Kumar, D.** (2019): Moments properties of exponentiated exponential-geometric distribution based on generalized order statistics, *Journal of Applied Probability and Statistics*, (To appear).
11. Alghamedi, A., Dey, S., Kumar, D. and Dobbah, S. A. (2020). A New Extension of Extended Exponential Distribution with Applications, *Annals of Data Sciences*, **7**, 139-162.
12. Afify, A. Z. Nassar, M., Cordeiro, G. M. and Kumar, D. (2020). The Weibull Marshall-Olkin Lindley Distribution: Properties and Estimation, *Journal of Taibah University for Science*, **14**, 192-204.

13. Dey, S., Nassar, M., **Kumar, D.**, Alzaatreh, A. and Tahir, M. H. (2019). New Lifetime Distribution with Decreasing and Upside-Down Bathtub-Shaped Hazard Rate Function, *Statistica*, **79**, 399-426.
14. Ghosh, I., Dey, S. and **Kumar, D.** (2019). Bounded M-O Extended Exponential Distribution with Applications, *Stochastics and Quality Control*, **34**, 35-52.
15. Malik, M.R. and **Kumar, D.** (2019): Generalized Pareto distribution based on generalized order statistics and associated inference, *Statistics in Transition new series*, **20**, 57-80.
16. **Kumar, D.** and Goyal, A. (2019). Generalized Lindley Distribution Based on Order Statistics and Associated Inference with Application, *Annals of Data Sciences*, **6**(4), 707-736.
17. **Kumar, D.** and Kumar, M. (2019). A New Generalization of the Extended Exponential Distribution with an Application, *Annals of Data Sciences*, **6**, 441-462.
18. Nassar, M., **Kumar, D.**, Dey, S., Gauss M. Cordeiro and Ahmed Afify, (2019): The Marshall-Olkin Alpha Power Family of Distributions, *Journal of Computational and Applied Mathematics*, **351**, 41-53.
19. **Kumar, D.** and Goyal, A. (2019). Order Statistics from the Power Lindley Distribution and Associated Inference with Application, *Annals of Data Sciences*, **6**, 153-177.
20. Kumar, D. Mansoor, M.Q. S., Dey, S. Malik, M. R. (2019): Recurrence relations for moments and estimation of parameters of extended exponential distribution based on progressive type-II right censored order statistics, *Journal of Statistical Theory and Application*, **18**, 171-181.
21. Dey, S., Nassar, M. and **Kumar, D.** (2019): Moments and Estimation of Reduced Kies Distribution Based on Progressive Type-II Right Censored Order Statistics, *Hacettepe Journal of Mathematics and Statistics*, **48**, 332-350.
22. Dey, S., Nassar, M., **Kumar, D.** and Alaboud, F. (2019): Alpha Logarithm Transformed Frechet distribution: Properties and Estimation, *Austrian Journal of Statistics*, **48**, 70-93.

23. Dey, S., Nassar, M. and **Kumar, D.** (2019): Alpha power transformed inverse Lindley Distribution: A distribution with an upside-down bathtub-shaped hazard function, *Journal of Computational and Applied Mathematics*, **348**, 130-145.
24. Dey, S., Ghosh, I and **Kumar, D.** (2018): Alpha-power transformed Lindley distribution: properties and associated inference with application to earthquake data, *Annals of Data Science*, **5**, 1-28.
25. **Kumar, D.** and Dey, S. (2018): Upper Record Values from Extended Exponential Distribution, *Journal of Modern Applied Statistical Methods*, **17**, 2-18.
26. Nassar, M., Dey, S., and **Kumar, D.** (2018): Logarithm Transformed Lomax Distribution with Applications, *Calcutta Statistical Association Bulletin*, **70**, 122–135.
27. **Kumar, D.** (2018): Relationship for Quotient Moments of Ordered Random Variables from Exponentiated Pareto Distribution, *Biostatistics and Biometrics*, **6**, 1-6.
28. Farooqi, M. S. and **Kumar, D.** (2018): On Dagum distribution based on dual generalized order statistics with Applications, *International Journal of Agricultural and Statistical Sciences*, **14**, 833-841.
29. **Kumar, D.** and Dey, S., Nassar, M. and Yadav, P. (2018): The recurrence relations of order statistics moments for power Lomax distribution, *Journal of Statistical Research*, **52**, 75-90.
30. Dey, S., Moala, F. A. and **Kumar, D.** (2018). Statistical Properties and Different Methods of Estimation of Gompertz Distribution with Application, *Journal of Statistics and Management Systems*, **21**, 839–876.
31. Farooqi, M. S. and **Kumar, D.** (2018): Moment generating functions of generalized exponential distribution based on lower generalized order statistics, *International Journal of Agricultural and Statistical Sciences*, **14**, 165-174.
32. **Kumar, D.**, Dey, S., Malik, M.R. and Al-Aboud, F. M. (2018): Moment generating functions of complementary exponential-geometric distribution based on k th Lower Record Values, *Journal of Modern Applied Statistical Methods*, **17**, 1-21.
33. **Kumar, D.** and Jain, N. (2018): Power generalized Weibull distribution based on generalised order statistics, *Journal of Data Science*, **16**, 621-646.

34. Nassar, M. Dey, S. and **Kumar, D.** (2018): A New Generalization of the Exponentiated Pareto Distribution with an Application, *American Journal of Mathematical and Management Sciences*, **37(3)**, 217-242.
35. Nassar, M, Afify, M. Z., Dey, S. and **Kumar, D.** (2018). A New Extension of Weibull Distribution: Properties and Different Methods of Estimation. *Journal of Computational and Applied Mathematics*, **336**, 439-457.
36. **Kumar, D.** and Kumar, M. (2018): Record values from exponentiated Pareto type I distribution and associated inference, *Model Assisted Statistics and Applications*, 13, 19-43.
37. Malik, M.R. and **Kumar, D.** (2018): Relations for moments of progressively type-II Right censored order statistics from Erlang-truncated exponential distribution, *Statistics in Transition new series*, **18**, 650-668.
38. **Kumar, D.**, (2017): The Burr type XII distribution with some statistical properties, *Journal of Data Science*, **15**, 509-533.
39. **Kumar, D.**, Dey, T. and Dey, S. (2017): Statistical inference of exponentiated moment exponential distribution Based on lower record values, *Communications in Mathematics and Statistics*, **05**, 231-260.
40. Dey, S., Nassar, M. and Kumar, D. (2017): Alpha logarithmic transformed family of distributions with application, *Annals of Data Sciences*, **04**, 457-482.
41. **Kumar, D.** and Dey, S. (2017): Relations for moments of generalized order statistics from extended exponential distribution, *American Journal of Mathematical and Management Sciences*, **36**, 378-400.
42. Dey, S., **Kumar, D.**, Ramos, P. L. and Louzada, F. (2017): Exponentiated Chen Distribution: Properties and Estimation, *Communications in Statistics - Simulation and Computation*, 46, 8118-8139.
43. **Kumar, D.**, (2017): The Singh-Maddala distribution: Properties and Estimation, *International journal of system assurance engineering and management*, **8**, 1297-1311.

- 44. Kumar, D.,** Kumar, M, Saran, J., and Jain, N. (2017): The Kumaraswamy-Burr III distribution based on upper record values, *American Journal of Mathematical and Management Sciences*, **36**, 205-228.
- 45. Kumar, D.** (2017): Relations of Dagum distribution based on lower generalized order statistics, *Journal of Applied Mathematics and Informatics*, **35**, 477-493.
- 46. Kumar, D.** and Dey, S. (2017): Power generalized Weibull distribution based on order statistics, *Journal of Statistical Research*, **51**, 61-78.
- 47. Kumar, D.,** Saran, J., and Jain, N. (2017): The exponentiated Burr XII distribution: moments and estimation based on lower record values, *Sri Lankan Journal of Applied Statistics*, **18**, 1-18.
- 48. Kumar, D.,** Dey, S., and Nadarajah, S. (2017): Extended exponential distribution based on order statistics, *Communications in Statistics - Theory and Methods*, **46**, 9166-9184.
- 49. Kumar, D.** and Farooqi, M. S. (2017): The Type I generalized half Logistic distribution based on generalized order statistics, *International Journal of Agricultural and Statistical Sciences*, **13**, 337-344.
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Country Visited

Turkey

Editorial Board/ Paper Review

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- Communications in Statistics – Theory and Methods (**Taylor and Francis**)
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- Chaos, Solitons & Fractals (**Taylor and Francis**)
- Annals of Data Science (**Springer**)
- Ozone: Science & Engineering (**Taylor and Francis**)
- Journal of the Egyptian Mathematical Society (**Elsevier**)
- Quality and Reliability Engineering International (**Wiley**)
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- Environmental and Ecological Statistics (**Springer**)
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- International Journal of Statistics and Mathematics (2016)
- Journal of Agricultural and Statistical Sciences.
- Journal of Statistics Application in Probability (2016).
- International Journal of Computational and Theoretical Statistics (2016).
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