

Books Published:

- **Mohan Madhyastha, N.R, Ravi, S and Praveena, A.S.** (2020). *A First Course in Linear Models and Design of Experiments*. Publisher: **Springer**.

Research articles published:

1. **Ravi, S** (2025). On exploring tails via tail equivalence. *Special proceedings, Annual Conference, 21-23 February 2025*. 43-50. ISBN: 978-81-950383-8-1.
2. **Praveena, A. S. and Ravi, S.** (2025). On Standard log-Fréchet and log-log Fréchet Laws, *Mathematical Methods of Statistics*, Vol. 34 (1), 55-67. **Springer**.
3. Math, M, Gopinath, D. and **Biradar, B.S.** (2025). Optimizing inventory of deteriorating products with price dependent demand using quantum behaved AGTO variants, *Reliability theory and applications*. DOI: 10.24412/1932-2321-2025-182-350-362.
4. Deeksha, M.S, Kundury, K.K, **Praveena, A.S.** and Hathur B.G. (2024). Assessment of knowledge and life-style practices on adolescent obesity among school and college students, *African Journal of Biological sciences*, 6(13), 7809-7825. doi: 10.48047/AFJBS.6.13.2024.7809-7825.
5. **Ravi, S** and Ghosh, S. K. (2024). On Comparison of Renewal and Trend Renewal Processes with respect to Stochastic Orderings, *Asian Journal of Statistical Sciences*. Vol. 4 (1), 23-31.
6. Ghosh, S. K. and **Ravi, S.** (2024). On Poisson and Compound Poisson Processes and Some Comparisons, *Journal of Statistics and Mathematical Engineering*. Vol. 10 (1), 15-24.
7. Ghosh, S.K and **Ravi, S.** (2024), On Some Stochastic Ordering Comparisons for Renewal Processes, *Asian Journal of Probability and Statistics*. Vol. 26(4), 66-79.
8. Math, M, Gopinath, D. and **Biradar, B.S.** (2024). Optimizing inventory control through a gradient-based multilevel approach I the face of demand and lead time uncertainties, *Reliability theory and applications*.
9. **Biradar, B.S.** (2024), Parameter estimation of location and scale parameters based on ranked set sampling with unequal set sizes, *Communications in Statistics: Simulation and computation*. Vol. 53(5), 2119-2134. **Taylor & Francis**.

10. Math, M, Gopinath, D. and **Biradar, B.S.** (2024). Demand driven material requirements of planning: An inventory optimization model, *Int. J. Agricult. Stat. Sci.* Vol. 20(1), 105-112.
11. **Vidyalaxmi, K.** (2024), Chapter entitled “Concerning the moment convergence result for properly normalized delayed sums” in the book, “Research updates in Mathematics and computer science”.
12. **Praveena, A.S. and Ravi, S.** (2023). On max domain of attraction of the Standard log-Fréchet distribution and subexponentiality, *Sankhya A*, Vol.85-A, Part 2, 1607-1622. Springer.
13. **Biradar, B.S.** and Shivanna, B. K. (2023). Bayesian estimation of the mean of exponential distribution using ranked set sampling with unequal samples, *Asian Journal of Statistical Sciences*, Vol.3, 143-153.
14. **Yashvanth M.** (2023). Machine Learning in Healthcare: Navigating the Complexities and Opportunities. *International Scientific Educational Scientific Research Journal*. E-ISSNO: 2455-295X.
15. Chaitali Pal, **Yashvanth.M**, K.S. Srinivasa Rao.(2023). A survey on Explainable AI (EXAI) - An Emerging Trend in Healthcare Sector. *4th International Conference on Recent Trends in Applied and Computational Mathematics (ICRTACM-2023)*, Reva University.
16. **Yashvanth. M**, Chaitali Pal, K.S. Srinivasa Rao.(2023). Machine Learning for Predictive Analysis and Early Detection of Non-Communicable Diseases: *A Comprehensive Study*. *2nd International Conference on Artificial Intelligence towards Fostering Sustainable Development in Business*, Jain (Deemed-to-be) University. ID-AISDB23161.
17. Dwajani, S, Lavanya, R, Abhishek, R.S, **Praveena, A.S** and Allen, P.U. (2022). Deleterious effect of increased screen time among professionals during the COVID-19 pandemic in India, *International Journal of Scientific Research*, Vol. 11(6), 75-79.
18. Sowmya, M, Lambert, K. A, **Praveena, A. S**, Mahesh, P.A. and Erbas, B. (2022). Time Trends of Greenspaces, Air Pollution, and Asthma Prevalence among Children and Adolescents in India, *International Journal of Environmental Research and Public Health*, Vol. 19(22), 15273. doi.org/10.3390/ijerph192215273.
19. Lokesh, K.S, Rao, A.A, Chaya, S.K, Jayaraj, B.S, **Praveena, A.S**, Krishna, M, Madhivanan, P. and Mahesh, P.A. (2022). Associations of Vitamin D, chronic obstructive pulmonary disease and acute exacerbations of COPD with anxiety and depression: a nested case control study, *Wellcome Open Research*. Vol.7, 86.
20. Chaya, S.K, Vishwa, K.V, Lokesh, K.S, Jayaraj, B.S, Sowmya, M, Virupaksha, H.M, **Praveena, A.S**, Subhakar, K. and Mahesh, P.A. (2021). Vitamin D Deficiency in Tuberculosis and Diabetes Mellitus - A Cluster Analysis, *Current Respiratory Medicine Reviews*, Vol. 17(3), 177-184.

21. Lokesh, K.S., Chaya, S.K., Jayaraj, B.S., **Praveena, A.S.**, Krishna, M., Mdhivanan, P. and Mahesh, P.A. (2020). Vitamin D deficiency is associated with chronic obstructive pulmonary disease and exacerbation of COPD, *Clinical Respiratory Journal*. Vol. 15(4), 389-399. **Wiley**. DOI: 10.1111/crj.13310
22. Dwajani, S., Lavanya, R., Abhishek, R.S. and **Praveena, A.S.** (2020). Effect of Increased screen time in undergraduate students during covid-19 pandemic- A survey based study, *International Journal of Recent Scientific Research*, Vol. 11(12B), 40252-40258.
23. Bhargava, S., Amrutha D.H., Jayaraj, B.S., **Praveena, A.S.**, **Ravi, S.**, Khurana, S. and Mahesh, P.A. (2019). Distinct asthma phenotypes with low maximal attainment of lung function on cluster analysis, *Journal of Asthma*, Vol. 58(1), 26 -37, **Taylor & Francis**.
<https://doi.org/10.1080/02770903.2019.1658205>.
24. **Praveena, A.S.**, **Swathi Srinath.** and **Ravi, S.** (2019). On mixtures and their max domains, *Journal of the Indian Society of Probability and Statistics*, **Springer**.
doi.org/10.1007/s41096-019-00063-w.
25. **Praveena, A.S.** and **Ravi, S.** (2018). On a characterization of Fréchet and Weibull max domain under power normalization, *Journal of Probability and Statistical Science*, Vol. 16 (1), 1-9.
26. Bhati, S. and **Ravi, S.** (2018). Diagnostic plots for identifying max domains of attraction under power normalization, *Journal of Applied Statistics*, Vol. 45(13), 2394-2410. **Taylor & Francis**.
27. Bhati, S. and **Ravi, S.** (2018). On generalized log-Moyal distribution: A new heavy tail size distribution, *Insurance: Mathematics and Economics*, Vol. 79, 247-259.
28. Manohar, M.C. and **Ravi, S.** (2018). On Limit Laws of Joint Distribution of Two Normalized Upper Order Statistics, *ProbStat Forum e-journal*, Vol. 11, 117-145.
29. **Ravi, S.** and Manohar, M.C. (2018). On tail behaviour of k th upper order statistics under fixed and random sample sizes via tail equivalence, *Statistics*, Vol.52(1), 156-176. **Taylor & Francis**.
30. Vasantha Kumari, J., **Vasudeva, R.** and **Ravi, S.** (2017). On the asymptotic behaviour of maxima and near maxima of random observations from three parameter lognormal distribution, *Communications in Statistics- Theory and Methods*, Vol. 46(17), 8737-8747. **Taylor & Francis**.
31. **Divanji, G.** (2017). A Law of iterated logarithm for delayed random sums. *Research & Reviews: Journal of Statistics*, Vol. 6(1), 24-32.

32. **Biradar, B.S.** and Santhosha, C. D. (2017). Estimation of the mean of the exponential distribution using ranked set sampling with unequal sample size, *International Journal of Agricultural & Statistical Sciences*, Vol.13(2), 393-401.
33. Bhati, S. and **Ravi, S.** (2017). Some new characterizations of max domains of attraction of Fréchet and log-Fréchet laws under power normalization, *Statistics and Probability letters*, Vol. 130, 92-99. **Elsevier**.
34. Bhalachandra, M.S, **Praveena, A. S. and Ravi, S.** (2017). On subexponentiality of Order Statistics and a few other functions of random variables, *Journal of Indian Statistical Association*, Vo. 55(1), 1-19.
35. **Divanji, G.** and Ravipraksh, K.N. (2017). A Log Log Law for Subsequences of Delayed Random Sums, *Journal of the Indian Society for Probability and Statistics*, Vol.18, 159-175. **Springer**.
36. **Ravi, S.** and Mavitha, T.S. (2016). New Limit Distributions for Extremes under a nonlinear normalization, *ProbStat Forum e-journal*, Vol. 9, 1-20.
37. Raviprakash, K. N. and **Divanji, G.** (2016). Almost sure limit points for delayed random sums, *International Education and Research Journal [IERJ]*. ISSN 2454-9916.
38. **Praveena, A.S.** (2016). On generalized log Pareto distribution and value at risk, *Proceedings of National conference on Operations Management, Analytics and Statistical methods*. ISBN: 978-83302-20-8.
39. **Divanji, G. and Vidyalaxmi, K.** (2016). On large deviation probabilities for properly normalized weighted sums and related laws of iterated logarithm, *International Education and Research Journal [IERJ]*. ISSN 2454-9916.
40. **Divanji, G.** and Raviprakash, K. N. (2016). Limit Infimum results for Subsequences of delayed random sums and related boundary crossing problem, *International Education and Research Journal [IERJ]*. ISSN 2455-295X.
41. **Biradar, B.S.** and Shivanna, B. K. (2016). Exponential-Bayesian based on maximum ranked set sampling with unequal samples using asymmetric loss function, *International Journal of Statistika and Mathemtika*, Vol. 18(1), 64-75.
42. **Biradar, B.S.** and Shivanna, B. K. (2016). Weibull-Bayesian Estimation Based on Maximum Ranked Set Sampling with Unequal Samples, *Open Journal of Statistics*, Vol.6(6), 1028-1036.
43. **Biradar, B.S.** and Santhosha, C. D. (2015). Estimation of the population mean based on extremes ranked set sampling, *American Journal of Mathematics and Statistics*, Vol. 5 (1), 32-36.

44. **Biradar, B.S.** and Santhosha, C. D. (2015). Estimation of the population mean unranked set using paired ranked set sampling, *Open Journal of Statistics*, Vol. 5 (2), 97-103.
45. **Biradar, B.S.** (2015). Generalized median test for two-sample location problem using multiple type-II censored data, *Int. J. Agricult. Stat. Sci. Vol. 11, No. 2*, 307-311.
46. **Praveena, A.S. and Ravi, S.** (2015). Distance between exact and approximate distributions under power normalization, *Modern Stochastics: Theory and applications*, Vol.2, 391-399. **vTex.**
47. Raviprakash, K.N, **Vidyalaxmi, K.** and **Divanji, G.** (2015). A density version of a local limit theorem for properly normalized weighted sums, *Research & Reviews: Journal of Statistics*, Vol. 4(3), 29-37.
48. **Ravi, S.** and Mavitha, T.S. (2015). The interplay between l-max, l-min, p-max and p-min stable distributions, *Mathematical Journal of Interdisciplinary Sciences*, Vol. 4 (1), 49-53.
49. **Ravi, S. and Praveena, A.S.** (2015). On the intersection of max domains of attraction of p-max stable laws and subexponential distributions, *Communication in Statistics theory and methods*, Vol. 44, 115-124. **Taylor & Francis.**