



Curriculum Vitae

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Academic qualification:

- UGC Post Doctoral Research Fellow in Department of Studies in Statistics at University of Mysore during November 2013-June 2018.
- KSET 2018.
- Ph.D in Statistics, University of Mysore, September 2010.
(Title of thesis: A study of subexponential distributions and some problems in extreme value theory, Supervisor: Prof. S. Ravi)
- M.Sc in Statistics, University of Mysore, 2002-2004, with first rank.
- B.Sc in Statistics, Mathematics and Computer science, Maharani's Science College for Women, University of Mysore, 1999-2002.

Research interests:

- Extreme Value Theory
- Subexponential and heavy tailed distributions
- Regression analysis
- Probability theory

Teaching Experience:

- UGC-Assistant Professor [Level 11], DoS in Statistics, University of Mysore, Mysuru - Since June 2022.
- UGC-Assistant Professor [Level 10], DoS in Statistics, University of Mysore, Mysuru - June 2018 -June 2022.
- Guest Faculty, University of Mysore- September 2013-November 2013
- Visiting faculty, V.V.N Institute of Management, Technology and Research, Bangalore- October 2012 - June 2013.
- Lecturer in Statistics, Bishop Cotton College for women, Bangalore- July 2007 - December 2007.
- Guest Faculty, Centre for Information Science and Technology, University of Mysore, Mysuru- September 2005 - June 2006.
- Guest Faculty, DoS in Statistics, University of Mysore, Mysuru- August 2004 - April 2007.

Awards and Honours:

- Gold medal in M.Sc in 2004 from university of Mysore.
- Selected as Assistant-Professor by UGC, New Delhi under UGC-Faculty Recharge Programme, cycle-III, under Mathematical Science in 2015 (one of the eight nationally selected candidates)
- Best poster presentation award in 2016 from Indian Science Congress Association, Kolkata.

Conferences/ Workshops/Seminars participated and invited talks:

- “International Conference on Advances in Statistical Methods, Data Science, and Official Statistics (ICASDO)”, organized by Department of Statistics, Shivaji University, Kolhapur during June 19-21, 2025, presented a talk on “On Standard log-Fr chet and log-log-Fr chet laws”.
- Invited talk on “Medical Statistics”, in “Jnaneshana 2023-24 - workshop on research methodology and medical statistics”, organized by Government Ayurveda Medical College And Hospital, Mysore on July 19, 2023.
- “International conference on Statistics, Probability and Data Science and Related areas”, organized jointly by Department of Statistics, CUSAT, Kerala and ISPS, Cochin, Kerala during January 04-06, 2023, gave a talk on “On characterizations of max-domains of attraction of standard log-Fr chet and loglog- Fr chet laws under exponential normalization.”.
- Invited talk on “Statistics using R”, in “Two day experimental workshop on Research methodology in Social sciences”, organized by PG centre, Dept. of Studies in Commerce in association with Vidyavardaka Research foundation and IQAC, Mysuru during 25-26 November 2022.
- Invited talk on “Subexponential distributions and their max domains of attraction”, in “24th Annual Conference of Society of Statistics, Computer and Applications (online)”, organized by ICAR-NAARM, Hyderabad, during 23-27 February, 2022.
- “Fifth International Webinar on Recent Trends in Statistical Theory and Applications-2021”, organized by Indian Society for Probability and Statistics (ISPS), Kerala Statistical Association (KSA) and the Dept of Statistics, University of Kerala, Kerala, during 29 June-02 July 2021.
- Invited talk on “Regression Analysis”, in an online Workshop on “Regression Analysis in Research Methodology” organized by the Internal Quality Assurance Cell (IQAC) and PG and Research Department of Commerce, SHASUN Jain College for Women, Chennai, on 6 June 2021.
- “Weekend online program on Statistical Machine Learning”, organized by CAIML, Indian Statistical Institute, Kolkata: Session 1: March 13-14, 2021; Session 2 \: March 20-21, 2021; Session 3: March 27-28, 2021.
- Invited talk on “Introduction to Statistics and R” in one week FDP on Probability, Statistics and Its applications, held at NIE, Mysuru during 05 March to 10 March 2021.
- International Webinar on “Advances in Statistics and Data Science for Sustainable Human Development”, organized by ISPS and Statistics Alumni, Department of Statistics, S.V. University, Tirupati during 7-10, September 2020.
- A Two Day Seminar on Recent Developments in Statistical Sciences held at Department of Studies in Statistics, University of Mysore, during 6-7 March 2020, and gave talk on “Evaluation of clustering algorithms”.
- Three-day Workshop on R held at Department of Studies in Statistics, University of Mysore, during February 27-28, March-01, 2019, and gave talk on “Dimension reduction in R”.
- International Conference on “Computer Age Statistics in the Era of Big and High Dimensional Data”, organized by Department of Statistics, Savitribai Phule University, Pune, during January 3-5, 2019, and presented a paper entitled “Cluster analysis identifies distinct clinical phenotype associated with poor treatment responsiveness in asthma”.
- UGC refresher’s course in Mathematical Science at UGC Human Resource Development Center of the University of Mysore, Mysuru, during Nov. 13 - Dec. 02, 2018 and gave four talks on “Use of R in Statistics”, as a Resource person.
- Invited talk on Applications of R in Statistics in One week faculty development programme on Applications of Probability and Statistics, held at BMS Institute of Technology and Management, Bengaluru during June 4-8, 2018.
- Demonstrated “Use of R-software in data analysis” in half-day training pro-

gram during August 16-18, 2017 at Department of Studies in Psychology, University of Mysore, Mysuru.

- National Conference on Operations Management, Analytics and Statistical methods held at SDMIMD, Mysore on 6 January 2017 and presented a paper entitled, "On generalized log Pareto distributions and Value at Risk".
- Indian Social Science Congress, held at University of Mysore, Mysuru, during December 19-23, 2016.
- Indian Science Congress, held at University of Mysore, Mysuru, during January 03-07, 2016 and presented a poster entitled "On Generalized log-Pareto distributions".
- UGC sponsored National Seminar on "Recent trends in Statistical Inference and Data Analysis", held at Dept. of Statistics, S.D.M college, Ujjire during October 30-31, 2015 and presented a paper entitled "Estimation of parameters of Generalized log Pareto distribution".
- Orientation Programme on the use of scopus citation index (2015), University of Mysore, Mysuru.
- Two-day UGC Sponsored National Seminar on Statistical methods and data analysis, held during September 2014 at Yuvaraja's College, University of Mysore, Mysuru and presented a paper entitled "On heavy tailed distributions".
- Workshop on 'Census data dissemination' conducted by the University of Mysore and the Directorate of Census Operations, Karnataka on 23rd January, 2014.
- Workshop/Seminar on 'Probability and Statistics' held during November 05-06, 2013 at the Department of Studies in Statistics, University of Mysore, Mysore and presented a paper entitled "On delta neighborhoods of Generalized log pareto distribution" in the seminar session.
- Three-day Workshop-cum-Seminar on 'Probability and Statistics' held at Department of Studies in Statistics, University of Mysore, Mysore during March 05-07, 2012 and presented a paper in the Contributory session.
- The International Conference on 'Actuarial Statistics, Bio Statistics and Stochastic Modeling' held at the Department of Statistical Sciences, Kannur University, Kannur, Kerala, during January 10-14, 2011 and presented a paper entitled "On von Mises Type Conditions and Rates of Convergence".
- Three Day Seminar on 'Recent Developments in Probability and Mathematical Statistics' held at Department of Studies in Statistics, University of Mysore, Mysore during October 29-31, 2008.
- Three day National Seminar on 'Applied Probability' held at Department of Studies in Statistics, University of Mysore, Mysore during March 20-22, 2006.
- The National seminar on 'Order Statistics and Concomitants' held at Department of studies in Statistics, University of Mysore, Mysore during November 26-28, 2004.

List of Publications

- On Extrema of a Bivariate Exponential Random Vector, (with S. Ravi) **mySCIENCE, Biannual Science journal of University of Mysore**, Vol. 4, 82-100, 2009.
- A note on tail behaviour of distributions in the max domain of attraction of the Fréchet / Weibull law under power normalization, (with S.Ravi) **ProbStat Forum, e-journal**, Vol. 3, 01-10, 2010.
- On von Mises type conditions for p-max stable laws, rates of convergence and generalized log pareto distributions, (with S.Ravi), **Journal of Statistical Planning and Inference**, Vol. 141, Issue 9, 3021-3034. 2011.
- On storage models, (with S.Ravi), **Journal of Indian Statistical Association**, Vol. 49, No. 2, 2011, 215-229.
- On the intersection of max domains of attraction of p-max stable laws and subexponential distributions, (with S. Ravi) **Communication in Statistics theory and methods**, Vol. 44, 2015, 115-124.

- Distance between exact and approximate distributions under power normalization, (with S. Ravi) **Modern Stochastics: Theory and applications**, Vol. 2, 2015, 391-399.
- On generalized log Pareto distribution and value at risk, **Proceedings of National conference on Operations Management, Analytics and Statistical methods**, 2016, ISBN: 978-83302-20-8.
- On subexponentiality of Order Statistics and a few other functions of random variables, (with M.S. Bhalachandra and S. Ravi), **Journal of Indian Statistical Association**, Vol.55(1), 1-19, 2017.
- On a characterization of Fréchet and Weibull max domains under power normalization, (with S. Ravi), **Journal of Probability and Statistical Science**, Vol.16 (1), 1-9, 2018.
- On Mixture distribution and their max domains, (with Swathi Srinath and S. Ravi), *Journal of the Indian Society of Probability and Statistics*, 2019, doi.org/10.1007/s41096-019-00063-w.
- Distinct asthma phenotypes with low maximal attainment of lung function on cluster analysis, (with S. Bhargava, Amrutha D.H, B.S. Jayaraj, S. Ravi, S. Khurana and P.A. Mahesh), **Journal of Asthma**, 2019.
DOI: <https://doi.org/10.1080/02770903.2019/1658205>
- Effect of Increased screen time in undergraduate students during covid-19 pandemic- A survey based study, (with S. Dwajani, R.Lavanya, S. Abhishek Ram), **International Journal of Recent Scientific Research**, Vol. 11(12B), 40252-40258, 2020.
- Vitamin D deficiency is associated with chronic obstructive pulmonary disease and exacerbation of COPD, (with K.S.Lokesh, S.K.Chaya, B.S.Jayaraj, M.Krishna, P.Madhivanan, P.A.Mahesh), **Clinical Respiratory Journal**, 2020.
DOI: 10.1111/crj.13310
- Vitamin D Deficiency in Tuberculosis and Diabetes Mellitus - A Cluster Analysis, (with S.K.Chaya, K.V. Vishwa, K.S.Lokesh, B.S.Jayaraj, M.Sowmya, H.M.Virupaksha, K.Subhakar and P.A. Mahesh), **Current Respiratory Medicine Reviews**, Vol. 17(3), 177-184, 2021.
- Deleterious effect of increased screen time among professionals during the COVID-19 pandemic in India, (with Dwajani, S, Lavanya, R, Abhishek, R.S and Allen, P.U), **International Journal of Scientific Research**, Vol. 11(6), 75-79, 2022.
- Associations of Vitamin D, chronic obstructive pulmonary disease and acute exacerbations of COPD with anxiety and depression: a nested case control study, (with K.S.Lokesh, A.A.Rao, S.K.Chaya, B.S.Jayaraj, M. Krishna, P.Madhivanan and P.A.Mahesh), **Wellcome Open Research**, 2022.
- Time Trends of Greenspaces, Air Pollution, and Asthma Prevalence among Children and Adolescents in India, (with M. Sowmya, K. A. Lambert, P.A.Mahesh and B. Erbas) *Int. J. Environ. Res. Public Health*, 19(22), 15273, 2022; <https://doi.org/10.3390/ijerph192215273>.
- On max domain of attraction of the standard log-Fréchet distribution and subexponentiality, (with S. Ravi), **Sankhya A**, Vol. 85-A, Part 2, 1607-1622, 2023.
- Assessment of knowledge and life-style practices on adolescent obesity among school and college students, (with Deeksha, M.S, Kundury K.K and Hathur B.G), **African Journal of Biological sciences**, 6(13), 7809-7825, 2024; doi: 10.48047/AFJBS.6.13.2024.7809-7825.
- On Standard log-Fréchet and log-log Fréchet Laws, (with S. Ravi,) **Mathematical Methods of Statistics**, Vol. 34(1), 55-67, 2025.

Books published:

A First Course in Linear Models and Design of Experiments, (with N.R.Mohan Madhyastha and S. Ravi), 2020.

Publisher: **Springer**

Membership of Professional bodies:

Member of AMS (American Mathematical Society, USA) since 2012.

Personal

- Nationality: Indian
- Languages known: English, Kannada, Hindi
- Hobbies and sports: Reading tech and non-technical books, Yoga