

## List of Publications

Dr. Divya P. R.

1. Divya P. R. (2021): “Statistical Analysis of Impact of Meteorological Parameters on Rice Production in Thrissur District of Kerala”, *International Journal of Scientific Engineering and Research (IJSER)*, Volume 9, Issue 5, May 2021, ISSN(online):2347-3878 (IF-6.733)
2. Divya P. R. (2019). Construction and Selection of Single Sampling Variables Plan Through Decision Region, *Proceedings of national seminar on Statistical approaches in Data science*, St.Thomas College (Autonomous), Thrissur 38-48.
3. Divya P. R. (2018): “ Selection of Single Sampling Plan through Tangential Angle Plan”, *VIRJ for Pure and Applied Science*, Vol: IV, Issue I September,2018, ISSN: 2347-3835.
4. Divya, P. R (2017). Application of Acceptance Sampling Techniques in Manufacturing forging products. *International Journal of Innovations in Engineering and Technology(IJIET)*, 8(1).
5. Divya, P. R. (2014). Designing Single Sampling Plan through Quality Decision Region (QDR) and Certain Quality Levels. *VIRJ for Pure and Applied Sciences*, 2(1).
6. Divya, P. R. (2012). Quality interval acceptance single sampling plan with fuzzy parameter Using Poisson distribution. *International Journal of Advancements in Research & Technology*, 1(3).
7. Divya, P. R. (2012). A new procedure for designing single sampling plan indexed through trigonometric Ratios. *International Journal of Scientific and Engineering Research*, 3(2).
8. Suresh, K. K. and Divya, P. R. (2012). Selection of sampling schemes indexed through crossover Maximum Allowable Proportion Defectives (COMAPD) and Crossover MAAOQ (COMAAOQ). *International Journal of Innovating Research in Engineering and Science (IJIRES)*, 1(3).
9. Suresh, K. K. and Divya, P. R. (2009). Selection of sampling Plan through Decision Region ,*International Journal of Applied Mathematics and Statistics (IJAMAS)*, Vol.14, No: S09, pp. 66-78.

10. Suresh, K. K. and Divya, P. R. (2009). Construction and Selection of Single Sampling Plan through Quality Decision Region (QDR) and Limiting Quality Level” - *International Research Journal ACTA CINECIA INDICA*.
11. Suresh, K. K. and Divya, P. R. (2010): “Application of Acceptance Sampling in Testing of forged product”, *Proceedings Volume of National Conference on Recent Advance in Statistics and Computer Applications*, held at Department of Statistics, Bharathiar University, Coimbatore, during 21-23, December,2010 .
12. Suresh K. K. and Divya P. R. (2008) Designing single sampling plan through area of OC curve incurred with certain quality levels. *Proceedings of UGC Sponsored National Seminar on Applied Bayesian Statistical Analysis*, May 2008, 74-81.

#### Dr. Jismi Mathew

1. Jismi, M. (2023). Generalization of Length Biased Weighted Generalized Uniform Distribution and Its Applications. *Reliability: Theory and Applications*, 73(2), 24-38.
2. Jismi, M. (2020). On Some Length-biased distributions: An Overview. *Research and Reviews: Journal of Statistics*, 9(1), 27-47.
3. Jismi, M. (2020). Harris Extended Length biased Exponential Distribution and its Applications. *International Journal of Mathematics and Computer Research*, 8(4), 2035-2041.
4. Jismi, M. (2020). Reliability Test Plan for the Marshall-Olkin Length biased Lomax distribution. *Reliability: Theory and Applications*, 15(2), 36-49.
5. Jismi, M. and Christophe, C. (2020). Marshall–Olkin Length-Biased Maxwell Distribution and Its Applications. *Mathematical and Computational Applications*, 25(4), 65.
6. Jismi, M. and Sebastian, G. (2020). Length biased Exponential distribution as a Reliability model: A Bayesian Approach. *Reliability: Theory and Applications*, 15(3), 84-91.
7. Jismi, M. and Chesneau, C. (2020). Some new contributions on the Marshall–Olkin length biased Lomax distribution: theory, modelling and data analysis. *Mathematical and Computational Applications*, 25 (4), 79.

#### Dr. Jerin Paul

1. Thomas, P. Y., & Paul, J. (2022). On Induced Generalized Record Ranked Set Sampling and its Role in Bivariate Model Building. *Statistica*, 82(3), 275-307.

2. Sasidharan, S., Nair J, H., KP, S., Paul, J., Rajendran, K., Saibannavar, A. A., & Nirali, S. (2022). An efficacy and safety report based on randomized controlled single-blinded multi-centre clinical trial of ZingiVir-H, a novel herbo-mineral formulation designed as an add-on therapy in adult patients with mild to moderate COVID-19. *Plos one*, 17(12), e0276773.
3. Paul, J., & Thomas, P. Y. (2022). Sharma-Mittal Entropy Properties on Generalized (k) Record Values. *Reliability: Theory & Applications*, 17(1 (67)), 398-410.
4. Paul, J and Thomas, P Y. (2020) On some Characterization Results based on Generalized (K) Record Values from Half Logistic Geometric Distribution. *VIRJ for Pure and Applied Science*, 6 (1), 28-40.
5. Paul, J., & Thomas, P. Y. (2019). On Some Properties of Mathai–Haubold Entropy of Record Values. *Journal of the Indian Society for Probability and Statistics*, 20(1), 31-49.
6. Thomas, P. Y., & Paul, J. (2019). On diagnostic devices for proposing half-logistic and inverse half-logistic models using generalized (k) record values. *Communications in Statistics-Theory and Methods*, 48(5), 1073-1091.
7. Paul, J. and Thomas, P. Y. (2017). Concomitant Record Ranked Set Sampling. *Communications in Statistics-Theory and Methods*, 46(19), 9518-9540.
8. Paul, J. and Thomas, P. Y. (2016). On Generalized (k) Record Values From Pareto Distribution, *Aligarh Journal of Statistics*, 36(1), 63-78.
9. Paul, J. and Thomas, P. Y. (2016). Sharma-Mittal Entropy Properties on Record Values. *Statistica*, 76(3), 273-287.
10. Paul, J. and Thomas, P. Y. (2015). On Generalized Upper (k) Record Values From Weibull Distribution. *Statistica*, 75(3), 313-330.
11. Paul, J. and Thomas, P. Y. (2015). Tsallis entropy properties of record values. *Calcutta Statistical Association Bulletin*, 67, 47-60.
12. Thomas, P. Y. and Paul, J. (2014). On generalized lower (k) record values from Frechet distribution. *Journal of the Japan Statistical Society*. 44 (2), 157-178.
13. Paul, J. (2014). On Generalized Lower (k) record Values arising from Power Function Distribution. *Journal of the Kerala Statistical Association*, 25 (1), 49-64.
14. Paul, J. and Thomas, P. Y. (2014). On Tsallis entropy of Generalized (k) record values. *Proceedings of seminar on Process Capability Studies With Special Emphasis on*

*Computational Techniques & Recent Trends in Statistics, Nirmala Academic and Research Publications (NARP), Muvattupuzha, 1-14.*

15. Paul, J. and Thomas, P. Y. (2013). On a Property of Generalized Record Values arising from Exponential Distribution. *Indian Association for Productivity, Quality and Reliability*, 38, 19-27.

#### Dr. Preethi John

1. Nair, N. U., Sankaran, P. G., & John, P. (2018). Modelling bivariate lifetime data using copula. *Metron*, 76(2), 133-153.
2. Preethi, J. and Sankaran, P. G. (2017). A Bivariate Weibull Family with Applications. *American Journal of Mathematical and Management Sciences*, 36, 162-175.
3. Preethi, J. and Sankaran, P. G. (2016). A positive dependent Archimedean copula. *Journal of Applied Mathematics and Statistics* (Accepted for publication).
4. Sankaran, P. G., Nair, N. U. and Preethi, J. (2015). Characterizations of a family of bivariate Pareto distributions. *Statistica*, 75, 275.
5. Sankaran, P. G., Nair, N. U. and Preethi, J. (2014). A family of bivariate Pareto distributions. *Statistica*, 74, 199-215.

#### Dr. Anamiya Baby

1. Anamiya Baby (2020) : Optimal designing of three stage chain sampling plan with conditional repetitive group sampling plan as reference plan , *VIRJ pure and applied science*. 6(1), 96-104
2. Suresh, K.K and Baby, A. (2015). Designing of Chain sampling plan indexed through weighted Poisson distribution. *Far East journal of theoretical statistics*. 50(1), 11-19.
3. Suresh, K.K., Baby, A. and Pradeepaveerakumari. (2014). Selection of Quick Switching System with Repetitive Deferred sampling plan through Minimum Angle Method. *IAPQR Transactions*. 39(2), 109-119.
4. Suresh, K.K and Baby, A. (2014). Designing of Three Stage Chain Sampling Plan with Single Sampling Plan as Reference Plan. *International journal of Statistics*. 38(1) 1114-1118.
5. Suresh, K.K and Baby, A. (2013). Optimal designing of three stage Chain Sampling Plan with repetitive group sampling plan as Reference Plan. *Mathematical Sciences of International Research Journal*, 2(2), 190-195.

6. Suresh, K.K. and Baby, A. (2013). Minimum risks three stage chain sampling plans ChSP (0,1,2) with repetitive deferred sampling plan indexed by acceptable quality level and limiting quality level. *International journal of current research*, 5(10), 2810-2813.
7. Suresh, K.K. and Baby, A. (2013). Designing of three stage Chain Sampling Plan with repetitive deferred sampling plan as Reference Plan. *Fontiers of statistics and its applications. Bonfring publications*, 88-92.