

Academic Profile

- Assistant Professor at Prajyoti Niketan college, Pudukad, Kerala from July, 2021.
- Post doctoral research fellow at Indian Institute of Technology, Madras from 2018- 2019.
- Post doctoral research fellow at Indian Statistical institute, Chennai centre from 2015-2018.
- Awarded Doctorate degree by Cochin University of Science and Technology, Kerala State, India in 2014.

Awards

- Selected for National post doctoral fellowship by Science and engineering research board, Department of Science and Technology, Government of India.
- Selected for the award of the prestigious Post-graduate merit scholarship for university rank holder from the Ministry of Human Resource Development, Government of India.
- Selected for the International travel grant by Science and engineering research board, Department of Science and technology, Government of India.
- Secured the Research Fellowship Award conducted by Kerala State Council for Science, Technology and Environment (KSCSTE), Department of Science and technology, Government of Kerala.

AREAS OF INTEREST

- Empirical likelihood inference of income inequality measures, Reliability theory and Mathematical Statistics

RESEARCH PAPERS PUBLISHED

- Sreelakshmi N. and Sreedevi E P.(2023), JEL ratio test for independence of time to failure and cause of failure in competing risks, *Statistica* (Accepted).
- Renjith M., Sreelakshmi N. and Sudheesh K K. (2022), Non-parametric test for decreasing renewal dichotomous Markov noise shock model, *Statistical Papers*, 63, 965–982.
- Sudheesh K. K., Isha Dewan and Sreelakshmi N. (2021), Non-parametric estimation of Gini index with censored observations, *Statistics and Probability Letters*, 175, 109-113.
- N. Sreelakshmi, Sudheesh K. Kattumannil and Rituparna Sen (2021), Jackknife empirical likelihood-based inference for S-Gini indices, *Communications in Statistics - Simulation and Computation*, 50 (6), 1645-1661.
- Sudheesh K.K., Sreelakshmi N. and N. Balakrishnan (2020), Non-Parametric Inference for Gini Covariance and its Variants, *Sankhya A*, <https://doi.org/10.1007/s13171-020-00218-z>.
- Deepesh B., Sudheesh, K. K. and Sreelakshmi N (2020), Jackknife Empirical likelihood inference for probability weighted moments, *Journal of Korean Statistical Society*, 50, 98–116.
- Sreelakshmi N. Sudheesh, K. K. and Asha G. (2018), Quantile based test for exponentiality against DMRQ and NBUE alternatives, *Journal of Korean Statistical Society*, 47, 185-200.
- Sreelakshmi N. (2018), An introduction to copula based bivariate reliability concepts, *Communication in Statistics-Theory and methods*, 47, 996-1012.

- Nair, K.R.M. and Sreelakshmi N. (2016), The new Zenga curve in the context of reliability analysis, *Communication in Statistics-Theory and methods*, 45, 22, 6540-6552.
- Sreelakshmi N., Asha, G. and Nair, K.R.M.(2015), On inferring income inequality measures using L moments, *Journal of Economic Quality Control*, 30, 2, 75-87.
- Nair, N.U., Nair, K.R.M. and Sreelakshmi N. (2012), Some properties of the new Zenga curve, *Statistica and Applicazioni*, 10, 1, 43-52.

Major research grants availed

- Principal investigator of the project entitled "Empirical likelihood based inference for income inequality measures and its applications in Time series" selected by Science and engineering research board, Department of Science and Technology, Government of India during the time period 2016-2018. Total amount granted- Rs. 19,20,000