

## Faculty Profile

**Dr. Rimsha H**

**Assistant Professor on contract**

**Department of Statistics**

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### Personal Details

Nationality : Indian  
Gender : Female  
Marital Status : Married  
Permanent Address :

### Educational qualifications

- **PhD Statistics**
- **M.Sc Statistics**
- **B.Sc Statistics**

### Experience

- Assistant Professor on contract, D BPampa College, Parumala ( June 2018- till now)
- Major Project Fellow in Catholicate College, Pathanamthitta from 2013 to 2018
- Assistant Professor, Marian College, Kuttikkanam (June 2009- March 2013)
- Guest Lecturer, St.Dominic's College, Kajirapally(2008-2009)

### Research interests

- Distribution Theory
- Time Series Analysis

### Research Publications

- *Esscher Transformed and Geometric Esscher Transformed Laplace Processes*, Far East Journal of Theoretical Statistics, Vol. 52, No. 6, 2016, pp. 455–483.

- *Estimation of Three Parameter Esscher Transformed Laplace Distributions*, International Journal of Statistics and Systems, ISSN 0973-2675, Vol. 12, No. 4, 2017, pp. 669–675.
- *A Generalized Esscher Transformed Laplace Distribution and Its Application*, International Journal of Statistics and Applied Mathematics, ISSN 2456-1452, Vol. 3, No. 2, 2018, pp. 1563–1578.
- *q-Esscher Transformed Laplace Distribution*, Communications in Statistics – Theory and Methods, Vol. 48, No. 7, 2019, pp. 669–675.
- *Multivariate Esscher Transformed Laplace Distribution and Its Generalization*, Journal of Statistical Theory and Applications, ISSN 1538-7887, Vol. 19, No. 2, 2020, pp. 325–331.
- *An Autoregressive Process with Marshall–Olkin Generalized Esscher Transformed Laplace Marginal*, Aligarh Journal of Statistics, ISSN 0971-0388, Vol. 42, 2022, pp. 41–62.
- *Kumaraswamy Generalization of Esscher Transformed Laplace Distribution*, Pakistan Journal of Statistics and Operation Research, Vol. 19, No. 1, 2023, pp. 51–62.
- *Application of Three Parameter Esscher Transformed Laplace Distribution in Reliability and Finance*, Journal of Scientific Research, Vol. 67, No. 2, 2023, pp. 119–127.