

Curriculum Vitae

Name: : Dr. K. JAYAKUMAR

Address: : Senior Professor & Head,
Department of Statistics,
University of Calicut.

Permanent Address : III/260, Kausthubham, Kottappady P.O.,
Guruvayoor-680505, Thrissur.

Date of Birth : 27.05.1965

Educational Qualifications : MSc, M.Phil. & Ph.D.

PG Teaching Experience : 26 years

Research Experience : 30 years

Positions Held:

Sl. No.	Positions Held	Period
1.	Senior Professor, Department of Statistics, University of Calicut	September 26, 2021 onwards
2.	Professor	26.9.2011 to 25.9.2021
3.	Associate Professor	26.9.2008 to 25.9.2011
4.	Assistant Professor	19.9.1996 to 25.9.2008
5.	Research Officer, Department of Economics & Statistics, Govt. of Kerala	April to September 1996
6.	Head, Marketing Research Unit, Mathrubhumi, Calicut	February to April 1996. Also, worked as Consultant to Mathrubhumi Daily during 1997-99.
6.	Head, Department of Statistics, University of Calicut	More than 8 years (2008-2010; 2014-2016; 2019- ...)

Awards and Honours:

- **2012- Best Research Paper award**, Instituted by King Saud University, Saudi Arabia.
- **1999- Post Doctoral Fellowship** at Division of Community Medicine, Memorial University of Newfoundland.
- **1997-Post Doctoral Fellowship** at Department of Mathematics, Statistics and Computing Science at Dalhousie University, Canada.
- **1995-Jan Tinbergen award** for Young Statisticians from Developing Countries, Instituted by the International Statistical Institute, Netherlands.
- **1995-NBHM Award for Post Doctoral Research.** Work carried out in CUSAT.
- **1991-CSIR Senior Research Fellowship.** Work carried out in University of Kerala.

Areas of Specialization:

Distribution Theory, Time Series Analysis & Forecasting, Statistical Inference, Stochastic Modeling & Probability Theory

Research Collaborations :

Research Collaborations (Evidenced in terms of Joint Research Publications)		
Sl.No.	Name of University	Name of Faculty Associated
1	University of Nis, Serbia	Prof. Miroslav M. Ristic
2	University of Indianapolis, USA	Prof. Nadjib Bouzar
3	University of Manchester, UK	Prof. Saralees Nadarajah
4	University of Nevada at Reno, USA	Prof. T.J. Kozubowski
5	Dalhousie University, Canada	Prof. R.P. Gupta
6	University L.Baconi, Italy	Prof.M. Cifarelli
7	King Saud University, Saudi Arabia	Prof. Hassan Bakouch
8	IIM, Kozhikkode	Prof. R.P. Surseh
9	CUSAT, Kochi	Prof. P.G. Sankaran Prof. N. Balakrishna

Membership in Scientific Bodies:

- **Life Member, Indian Society of Probability and Statistics**
- **Life Member, Kerala Statistical Association.**
- **Member, International Indian Statistical Association.**
- **Member, Bernoulli Society**
- **Member, ISBIS, ISI, Netherlands**

Professional Leadership:

- **President, Kerala Statistical Association- 2016-19**
- **General Secretary, Kerala Statistical Association- 2007-2012.**

Number of Ph.D. Thesis Supervised: 10 (Ten)

Number of M.Phil. Dissertations Supervised: 6 (Six)

Number of Ph.D. Students Working:7(Seven)

Number of M.Phil. Students Working: 2(Two)

Editorial Works:

- **Chief Editor** - Journal of the Kerala Statistical Association (**founded in 1978** : ISSN 2249–4553)
- **Editor** – STARS International Journal (ISSN 0973-7804)

Review Works Undertaken:

- **Reviewer of Mathematical Reviews of American Mathematical Society.**
- **Reviewer of the Journals –**
 - a) Communications in Statistics- Theory & Methods- Taylor & Francis;
 - b) Communications in Statistics -Simulation & Computation- Taylor & Francis;

- c) Journal of Multivariate Analysis- Elsevier;
- d) Statistica- University of Bologna, Italy;
- e) Test- Springer;
- f) Statistical Papers- Springer;
- g) Journal of Statistical Computation and Simulation- Taylor & Francis, etc.

Research Thesis Evaluation

- External Examiner for Evaluation/Chairman: **More than Twenty PhD Thesis.**

Membership in Academic Bodies:

- Member, Academic Council, University of Calicut- (for eight years)
- Chairman, PG Board of Studies in Statistics, University of Calicut (from 2019 onwards)
- Member, PG Board of Studies in BioStatistics, University of Calicut
- Member, PG BoS in Bharathiar University
- Member, PG BoS in Kannur University
- Member, PG BoS in University of Kerala
- Member, PG BoS in Christ College (Autonomous), Irinjalakkuda
- Member, Scientific Advisory Committee, Malabar Cancer Centre, Thalasserry.
- Member, CCSS Academic Committee, University of Calicut.
- Member, Academic Council, St. Joseph's College (Autonomous), Irinjalakkuda.
- VC Nominee, RAC, Department of Economics, University of Calicut
- University Nominee (Subject Expert), Farook College (Autonomous), Calicut

Number of Research Papers Published (National/International): 92

Number of Papers Presented/Invited Talks/Lectures Delivered: 250.

Visits Abroad for Academic Purposes:


Canada, Australia, Switzerland, Singapore, Germany, Portugal & Newfoundland.

Research Publications during the last three years (2021-23).

1. K. Jayakumar & KK Sankaran (2021) Exponential intervened Poisson distribution. Communications in Statistics-Theory & Methods 50, 3063-3093. International (Scopus)
2. Seema S Nair & K. Jayakumar (2022) Generalized q-logistic distribution. Communication in Statistics – Simulation and computation(Accepted). International (Scopus)
3. K Jayakumar & Fasna K (2022) On a New Generalization of Cauchy distribution. Asian Journal of Statistical Sciences Vol. 2, 61-81 International.
4. K Jayakumar & Jiji Jose (2022) Discrete New Generalized Pateto Distribution. Statistica. Accepted for publication. International (Scopus)
5. K. Jayakumar & A. Mohammed Shabeer (2022) On a New Generalization of Gompertz Distribution and its Applications. Journal of ISPS, Vol. 23, 241 – 265 . International (Scopus)
6. K Jayakumar & C J Rehana (2022) On Some Aspects of Exponential Intervened Geometric Distribution. Thailand Statistician. Accepted for publication. International (Scopus)
7. A. Muhammed Shabeer, K Jayakumar & Bindu Krishnan (2023) A Generalization of Lindley Distribution: Characterizations, Methods of Estimation and Applications. Reliability Theory & Applications, Vol.18, 575-588. International (Scopus)
8. K. Jayakumar & Rehana CJ (2023) On Stress Strength Reliability Estimation of Exponential Intervened Poisson Distribution. Reliability Theory & Applications, Vol.18, 516-526. International (Scopus)
9. V. Jilesh and K. Jayakumar (2023) On first order autoregressive asymmetric logistic process. Journal of ISPS, Vol.24,93-110. International (Scopus)
10. M.G. Babu, H. Bakouch and K. Jayakumar (2022) General Classes of Complementary Distributions via random maxima and their discrete version. Japanese Journal of Data Science, Vol.4, 797-820. International (Scopus)
11. K. Jayakumar & T. Sajayan (2022) Wrapped Generalized Geometric Stable Distributions with an Application to Wind Direction. Far East Journal of Theoretical Statistics Vol.66, 147-166 National.
12. K. Jayakumar & T. Sajayan (2022) A Pathway model of Mittag-Leffler Distributions and related Processes. Far East Journal of Theoretical Statistics Vol.65, 55-70. National.
13. K Jayakumar & Jiji Jose (2023) A discrete analogue of intervened Poisson compounded family of distributions: properties with applications to count data. Statistics and Applications (Accepted) National
14. Rehana CJ & K Jayakumar (2023) Estimation of Stress Strength Reliability for New Generalized Pareto Distribution using Advanced Sampling Methods. Journal of Statistics and Computer Science. Accepted. National
15. K Jayakumar & KK Sankaran (2023) A new family of continuous distributions and its properties. Gujarat Journal of Statistical and Data Science (GJSDS). Accepted. National

Declaration

I hereby certify that the information given above are true to the best of my knowledge and belief.

A handwritten signature in green ink, consisting of stylized, cursive letters that appear to be 'K. Jayakumar'.

Prof. K. Jayakumar