

# Resume

**Name of the Faculty** : Dr. R. MUTHUKRISHNAN  
Designation : Professor  
Department : STATISTICS  
Institution\University : Bharathiar University, Coimbatore  
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## Area of Research

✦ Statistical Inference, Robust Statistics, Multivariate Analysis

## Education

Ph.D. (2000) – Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India

M.Sc. (1993) – Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India

## Professional Experience (In Chronological Order after Ph. D. onwards)

Sl. No.	Designation	Name of the Institution	Period	
			From	To
1	Lecturer	DRBCCC Hindu College, Chennai, Tamil Nadu. (University of Madras)	01.06.2001	20.03.2003
2	Assistant Professor	Indira Gandhi College of Arts and Science, Puducherry. (Pondicherry Univ.)	21.03.2003	28.06.2007
3	Assistant Professor	Bharathiar University, Coimbatore, Tamil Nadu.	29.06.2007	20.03.2015
4	Associate Professor	Bharathiar University, Coimbatore, Tamil Nadu.	21.03.2015	20.03.2018
5	Professor	Bharathiar University, Coimbatore, Tamil Nadu.	21.03.2018	Till Date

**Sponsored Projects:** 01 No. (Rs.7,93,051/-) - UGC-MRP (2011-2014)

**Research Guidance:** Ph.D. : 08; M. Phil.: 19; PG Project Guidance: 70;

**Research Publications:** International: 44; National: 10

## Significant \ Recent Publications

- Feature Selection Through Robust LASSO Procedures in Predictive Modelling, Advances and Applications in Mathematical Sciences, Vol. (10), pp 6103-6115, 2022.
- Robust Statistics: Methods and Applications, Big Data Applications in Industry 4.0, CRC Press (Taylor & Francis Group), FL, Chapter 12, pp 233-257, 2022.
- Data depth approach in fitting linear regression models, Materials Today: Proceedings, 2021.
- Computing Adjusted Projection Depth using GSO Algorithm, AIP Conference Proceedings 2261, 030066, 2020.
- Adjusted Projection Depth based expected maximization algorithm and its applications in Image Segmentation, TEST Engineering and Management, Vol.83, pp. 19198-19207, 2020.
- Predictive Modelling using Support Vector Regression, International Journal of Scientific & Technology Research, Vol.9(2), pp.4863-4865, 2020.
- Robust Classification using Skew-Adjusted Projection Depth, International Journal of Scientific & Technology Research, Vol.8 (12), pp.2999-3003, 2019.
- Performance of Classification Techniques along with Support Vector Machine, International Journal of Innovative Technology and Exploring Engineering, Vol.9 (2), pp.4366-4369, 2019.
- Robust Canonical Correlation Analysis: MCD Approach, International Journal of Pure and Applied Mathematics, Vol.117 (14), pp.09-17, 2017.
- Computing Robust Measure of Multivariate Location – Data Depth Approach, Global Journal of Pure and Applied Mathematics, Vol.13 (2), pp.691-700, 2017.
- LASSO: A Feature Selection Technique in Predictive Modelling for Machine Learning, IEEE, International Conference on Advances in Computer Applications, October 2016, pp 18-20, 2016.
- A Robust Regression Scale of Residual Estimator: SSAC”, International Journal of Applied Engineering Research, Vol.11 (7), pp.5086-5090, 2016.
- Image type based assessment of SIFT and FAST algorithms, International Journal of Signal Processing, Image Processing and Pattern Recognition, Vol.8 (3), pp.211-216, 2015.
- A Survey of robust estimators for Computer Vision, International Journal of Computing, Vol.2 (1), pp.174-179, 2012.



**Dr. R. Muthukrishnan** was born in Tirunelveli (1970). He holds B.Sc. (1991) in Computer Science from Madurai Kamaraj University, M.Sc. (1993) and Ph.D. (2000) in Statistics from Manonmaniam Sundaranar University.

He is currently working as a Professor in the Department of Statistics, Bharathiar University, Coimbatore, Tamil Nadu, INDIA. He is a life member of various academic bodies such as **ISPS, IBS, IISA** and **ISI**. He took active participation in various programmes organized by **ISI, IIT, CMC, NSSTA, TORC-MSSW, Pondicherry University and Mysore University**.

His main research work focuses on Robust Statistical Inference. He has more than **20** years of teaching and research experience. He has delivered **73** invited lectures in various academic institutions. He has published **54** research papers in reputed national / international journals and guided **27** scholars for their research programs.

He has visited the National University of Singapore (**NUS**) in the capacity of Academic Visitor for research collaboration in multi-country study project and to provide statistical support. He has completed the UGC–Major Research Project (**UGC-MRP**) entitled “Robust Statistics and its applications in Computer Vision”.