Bharathiar University

State University I "A^{++}" Grade by NAAC I 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr R MUTHUKRISHNAN

Professor
Department of Statistics

Bharathiar University
Coimbatore, 641046
    Tamil Nadu
E-mail: muthukrishnan70@buc.edu.in
Phone: 9443789978
Office Number: 0422-2428474

Research Area

- Robust Statistics
- Statistical Inference
- Multivariate Statistical Methods

Courses Teaching

- Testing Statistical Hypotheses
- Stochastic Processes
- Sampling Methods
- Descriptive Statistics
- Operations Research
- Object Oriented Programming with C++
- Statistical Software SPSS
- Programming in R
- Social Media Data Analytics using R
- Research Methodology
- Advanced Statistical Inference

Research Experience:

Teaching Experience:

Research Credentials   (as on June 2024 – Source: Google scholar)

H-index: 1050	Citations: 6	i10-index: 4

Publications
International Journals: 60   Conferences: 1

Career

At Bharathiar University

1. Designation : Professor
Period : March 2018 - Till Date

2. Designation : Associate Professor
Period : March 2015 - March 2018

3. Designation : Assistant Professor
Period : June 2007 - March 2015

Other Institutes

1. Designation : Guest Faculty
Institution Name : Manonmaniam Sundaranar University
Period : November 1998 - April 2001

2. Designation : Assistant Professor
Institution Name : Indira Gandhi College of Arts and Science
Period : March 2003 - June 2007

3. Designation : Lecturer
Institution Name : DRBCCC Hindu College
Period : June 2001 - March 2003

Education

Bharathiar University

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Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr R MUTHUKRISHNAN , Professor , Department of Statistics

Ph. D.

Subject : Statistics

Institution : Manonmaniam Sundaranar University, Tirunelveli

Affiliated University : Manonmaniam Sundaranar University, Tirunelveli

Year of Award : June 2000

M. Sc.

Subject : Statistics

Institution : Manonmaniam Sundaranar University, Tirunelveli

Affiliated University : Manonmaniam Sundaranar University, Tirunelveli

Year of Award : April 1993

B. Sc.

Subject : Computer Science

Institution : M.D.T. Hindu College, Tirunelveli

Affiliated University : Madurai Kamraj University, Madurai

Year of Award : April 1991

Projects **National Level** Ongoing - completed - 1	**Research Guidance** **Completed** Ph.D. - 10 M.Phil. - 19

Institutional Responsibilities

Deputy Director, School of Distance Education (SDE)

Period :May 2022 - May 2022

Nature of Responsibility :Smooth Functioning of Distance Education Programmes

Director, Center for Distance and Online Education (CDOE)

Period :Sep 2022 - Sep 2022

Nature of Responsibility :Smooth Functioning of ODL and OL Programmes

Collaborations

1. Academic Visitor, Department of Communications and New Media, National University of Singapore, Singapore (2011-05-27 - 2011-05-23)

2. Academic Visitor, Department of Communications and New Media, National University of Singapore, Singapore (2011-11-22 - 2011-11-26)

Selected Publications

1. A New Robust Liu Regression Estimator for High-dimensional data

Reliability theory and applications, 19(4), 214-219, 2024 (December 2024)
Muthukrishnan R and Karthika Ramakrishnan

2. Robust Mahalanobis Depth based on Minimum Regularised Covariance Determinant Estimator for High-dimensional Data

Reliability: Theory & Applications,4(76),446-452, 2023 (December 2023)
Muthukrishnan R and Surabhi S Nair

3. Redescending M-estimator based LASSO for Feature Selection

Reliability: Theory & Applications,4(76), 419-428, 2023 (December 2023)
Muthukrishnan R and C K James

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4. Data depth approach in fitting linear regression models

Materials Today: Proceedings,57(5),2212-2215, 2021 (December 2021)
Muthukrishnan R and Kalaivani S

5. Computing Adjusted Projection Depth using GSO Algorithm

AIP Conference Proceedings,2261,30066, 2020 (July 2020)
Muthukrishnan. R, Ramkumar. N

6. SFAST: A new Robust Regression based combined Edges and Corner Detection

International Journal of Advanced Research in Computer Science,8(7),462-469, 2017 (August 2017)
Muthukrishnan. R, Ravi. J

7. LASSO: A Feature Selection Technique in Predictive Modeling for Machine Learning,

IEEE, International Conference on Advances in Computer Applications, 18-20, 2016 (October 2016)
Muthukrishnan. R, Rohini. R

8. INAPSAC: A New Robust Inliers Identification Technique

Journal of Advanced Computer Science and Technology,1(4),284-290, 2012 (January 2012)
Muthukrishnan. R, Radha. M

9. M-estimators in Regression Models

Journal of Mathematics Research,2(4),23-27, 2010 (April 2010)
Muthukrishnan. R, Radha. M

10. A Study On The Variance Of Estimators In Sampling With Varying Probabilities

Bulletin of Statistics & Economics, 2(08), 94-99, 2008 (April 2008)
Muthukrishnan R