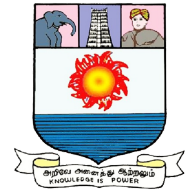




# Dr. K. MANOJ

Assistant Professor, Department of Statistics  
Manonmaniam Sundaranar University

@ manoj@msuniv.ac.in    0462-256-3438  
Department of Statistics, MS University, Abhishekapatti, Tirunelveli - 627 012.  
Tirunelveli, Tamil Nadu, India    www.drkmanoj.wordpress.com    drkmanoj  
drkmanoj    0000-0002-0022-9011    +91-9486864138



“Stay calm and Work Hard for your Own Satisfaction”

## ACADEMIC APPOINTMENTS (8 YEARS COMPLETED)

### Assistant Professor (Academic Level 11)

Manonmaniam Sundaranar University

November 2020 – Present    Abhishekapatti, Tirunelveli

### Assistant Professor (Academic Level 10)

Manonmaniam Sundaranar University

November 2016 – November 2022    Abhishekapatti, Tirunelveli

### Assistant Professor (Temporary)

Manonmaniam Sundaranar University

July 2016 – November 2016    Abhishekapatti, Tirunelveli

## EDUCATIONAL BACKGROUND

### Ph.D. in Statistics

Manonmaniam Sundaranar University

June 2011 – May 2016    Abhishekapatti, Tirunelveli

Thesis Title: Outlier Detection in Data Mining

Supervisor: Dr. K. Senthamrai Kannan

### M.Phil. in Statistics

Annamalai University

Sept 2010 – June 2011    Annamalainagar, Chidambaram

Dissertation: HIV Replication Model for the Succeeding period.

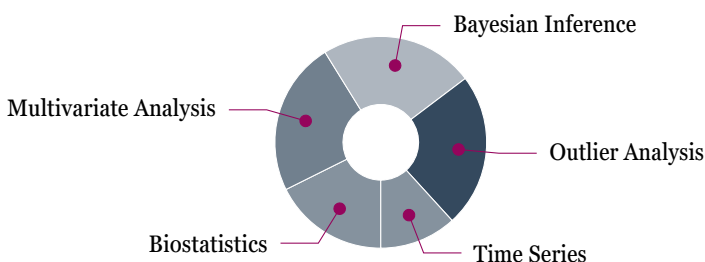
### M.Sc. in Statistics with Computer Applications (Integrated)

Annamalai University

Sept 2005 – June 2010    Annamalainagar, Chidambaram

Project Title: A Comparative Study on Socio-Economic Status of Two Villages in Sirkali Taluk, Nagapattinam District.

## AREAS OF EXPERTISE



## ADMINISTRATIVE ROLES

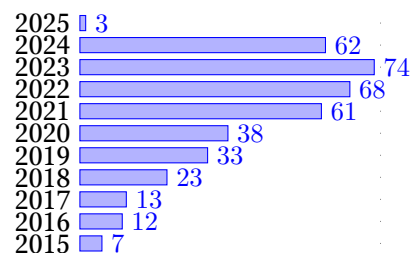
- Board of Studies Member**  
M.Sc., Statistics & Data Analytics
- NAAC Preparation Committee**  
MS University (2017 & 2024)
- University Representative**  
MSU Affiliated College (from 2023)
- Convocation Committee Member**  
Active Member of MSU Convocation
- Inspection Commission Member**  
MS University Affiliated Colleges
- Residential Tutor (2016 - 2021)**  
Gents Hostel, MS University
- Welfare Committee Member**  
Gents Hostel, MS University
- Faculty-in-Charge**  
Department Annual Stock verification
- Executive Committee Member**  
MS University Alumni Association

## HONORS AND AWARDS

- Academic Reviewer Award (2018)**  
New Delhi publisher & AJAD Analytica
- Best Faculty Award (2018)**  
IARA, Tamil Nadu
- Rajiv Gandhi National Fellowship (2011)**  
University Grants Commission (UGC)

## CITATION INDEX

Scopus Citations: 63 | (h - index: 2)  
Google Scholar: 397 | (h - index: 5)



## GRANTS RECEIVED

- Purchase of Equipment (Software), Rs.1.5 lakh, UGC XII Plan Grant, Manonmaniam Sundaranar University, 2017

 **Books**













- **Manoj, K.**, A. Peter, and P. Kumar, **Machine Learning for Effective Data Mining: Algorithms and Approach**. Notion Press, May 2023, **Available online**, ISBN: 9798890661029.
- **Manoj, K.**, **Payanangalil Nerudiya Ninaivugal**. Notion Press, 2023, **Available online**, ISBN: 9798890663306.
- K. Senthamarai Kannan and **Manoj, K.**, **Identifying Outliers in Data Mining**, 1st ed. Chess Educational Publishers, May 2016, ISBN: 9789385666049.

 **Book Chapters**

- **Manoj, K.** and K. Senthamarai Kannan, “Statistical outliers and related topics,” in M. M. Ali, R. Imon, I. Ali, and H. M. Yousof, Eds., First. CRC Press, Taylor & Francis Group, Jan. 2025, ch. **5. Statistical Methods for Identifying Outliers in Univariate and Multivariate Data**, p. 77, **Available online**, ISBN: 9781032460567.
- **Manoj, K.** and A. J. Mona, “Emerging innovations and applications in computer science, statistics and data science,” in V. Prakash, M. G, and P. Arumugam, Eds. Beyond Line Publisher, 2024, ch. **26. Menstrual Cycle Prediction using Logistic Regression**, pp. 214–220, **Available online**, ISBN: 9789395659932.
- **Manoj, K.** and V. Deneshkumar, “A statistical approach to nutrition and human health,” in A. Kumar and S. Singh, Eds., 1st ed. Vandita Publishing House, Delhi, 2022, ch. **6. Analysis and Prediction of Diabetes using Principal Component Analysis**, p. 122, ISBN: 9789386661029.

 **Journal Articles**






- A. Peter, **Manoj, K.**, and P. Kumar, “Credit card fraud detection using artificial neural networks,” *NeuroQuantology*, vol. 20, no. 17, pp. 772–776, 2022.
- A. Peter, **Manoj, K.**, and P. Kumar, “Prediction of breast cancer using machine learning techniques – a comparative study,” *NeuroQuantology*, vol. 20, no. 14, pp. 1101–1106, 2022.
- A. Peter, **Manoj, K.**, and P. Kumar, “Medical diagnostic system based on data mining classification techniques,” *Annals of the Romanian Society for Cell Biology*, vol. 24, no. 2, pp. 1257–1261, Dec. 2020, ISSN: 1583-6258.
- R. Rajanbabu, G. Monikanda Prasad, and **Manoj, K.**, “An analysis of volatility in the foreign exchange reserves in india,” *Inforkara Research*, vol. 8, no. 12, pp. 489–503, 2019.
- G. Sampath, K. S. Kannan, and **Manoj, K.**, “Robust regression models for identifying outliers in medical data,” *Research & Reviews: Journal of Statistics*, vol. 7, no. 1, 69s–76sp, 2018.
- S. Stephen Raj, K. Senthamarai Kannan, and **Manoj, K.**, “Principal component analysis for outlier detection,” *Research & Reviews: Journal of Statistics*, vol. 7, no. 1, 62s–68sp, 2018.
- E. Enanalap Periyar and **Manoj, K.**, “Patterns of murders and revenge murders at tirunelveli and tuteur districts in tamilnadu: A comparative analysis,” *International Research Journal on Police Science*, vol. 3, no. 2, pp. 40–47, 2017.
- K. S. Kannan and **Manoj, K.**, “Clustering algorithm based outlier detection in data mining,” *International Journal of Computer Application*, vol. 6, no. 4, pp. 9–19, 2016.

-  Multivariate Analysis
-  Sampling Techniques
-  Distribution Theory
-  Design of Experiments
-  Operations Research
-  Programming in R
-  Programming in Python
-  Statistics Practical using Software (R)
-  Statistics Practical using Software (Python)
-  Demography
-  Financial Statistics
-  Soft Skills (UG Data Science)

 **RESEARCH/PROJECT SUPERVISION**

Programme	Ph.D	M.Phil	M.Sc
Awarded	01	01	47
Submitted		NA	
Ongoing	04	NA	05

 **PH.D. SUPERVISION**

-  **Dr. A. Peter: Awarded (2023)**  
Thesis Title & URL Link: Applications of Machine Learning Techniques in Data Mining <http://hdl.handle.net/10603/503445>
-  **Mr. S. Haafiz Ahmed Hafeez (2021):**  
Title: Bayesian Methods for the Analysis of Misclassified Multivariate Data
-  **Mr. P. Balamurugan (2021):**  
Title: Machine Learning Approach for Outlier Detection
-  **Mr. A. Tamilarasan (2023):**  
Title: Robust Multivariate Techniques for Outlier Detection in Medical Data
-  **Ms. Ashlin J Mona (2024):**  
Title: Survival Analysis for Assessing Time - to - Event Outcomes in Cancer Research

 **M.PHIL SUPERVISION**

-  **Mr. S. L. Nitin (2018): Awarded**  
A Review on Intervened Poisson Distribution

 **M.SC., PROJECTS SUPERVISION**

1. Stochastic Modelling for Petrol and Gold Price Prediction (2022)
2. A Statistical Study on Parturition of Women on Kovilpatti Region (2022)
3. A Comparative Study on Socio-Economic Status of IT Employees in Tamil Nadu And Karnataka (2022)
4. A Survey on Mobile Addiction for College Students in Tirunelveli (2022)

- K. Senthamarai Kannan and **Manoj, K.**, “Outlier detection in multivariate data,” *Applied Mathematical Sciences*, vol. 9, no. 45-48, pp. 2317–2324, 2015, ISSN: 1314-7552. DOI: <http://dx.doi.org/10.12988/ams.2015.53213>.
- K. Senthamarai Kannan, **Manoj, K.**, and S. Arumugam, “Labeling methods for identifying outliers,” *International Journal of Statistics and Systems*, vol. 10, no. 2, pp. 231–238, 2015.
- **Manoj, K.** and K. S. Kannan, “Comparison of methods for detecting outliers,” *International Journal of Scientific & Engineering Research*, vol. 4, no. 9, pp. 709–714, 2013.

### Conference Proceedings

- A. Peter, K. Manoj, and P. Kumar, “Blockchain and machine learning approaches for credit card fraud detection,” in *2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT)*, Available online, 2023, pp. 1034–1041. DOI: 10.1109/ICSSIT55814.2023.10060999.
  - **Manoj, K.**, “Recent trends in stochastic modeling and its applications,” in *International Conference on Recent Trends in Stochastic Modeling and Its Applications*, ser. Souvenir, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Jan. 2020.
  - **Manoj, K.**, “Robust outlier detection in multivariate samples,” in *National Conference on Stochastic Modeling and Its Applications*, Manonmaniam Sundaranar University, Tirunelveli, Manonmaniam Sundaranar University, Tirunelveli, 2017.
  - **Manoj, K.**, “Principal component analysis for outlier detection in multidimensional scaling technique,” in *Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT -FIM XXV)*, Manipal University Jaipur, 2016.
  - **Manoj, K.** and K. Senthamarai Kannan, “Outlier detection in multivariate data,” in *Proceedings of the International Conference on Mathematics And its Applications-2014*, C. Ramachandran and R.Sudhesh, Eds., University College of Engineering, Villupuram, Anna University, Chennai, India, Dec. 2014, pp. 1150–1159.
  - **Manoj, K.**, “National conference on stochastic modeling and its applications,” in *Stochastic Modeling and Its Applications*, Department of Statistics, Manonmaniam Sundaranar University, 2012.
5. *Epidemiology and Transmission Dynamics of Covid-19 in Tamil Nadu* (2022)
  6. *The Statistical Analysis between Life Insurance and General Insurance* (2022)
  7. *A Study on Addiction of Mobile Games and Regular Games among School Students* (2022)
  8. *A Survey on Customer Satisfaction Towards Online Shopping* (2022)
  9. *A Study on Consumer Usage and Satisfaction in Online Payment* (2022)
  10. *The Statistical Analysis to Predict used Car Price across various Platforms* (2022)
  11. *A Survey on Crime against Women in Tenkasi* (2022)
  12. *A Survey on Socio-Economic Status of Agriculture Labour, Vitilapuram Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu* (2021)
  13. *Multiple Logistic Regression Model for Cesarean Deliveries* (2021)
  14. *A Study on Impacts of Roadside Vendors at Tourist Place during and after Lockdown in Tenkasi District* (2021)
  15. *Multiple Logistic Regression Model for Diagnosis of Stroke* (2021)
  16. *Time Series Analysis of Road Accident in Tamil Nadu* (2020)
  17. *A Study on Students Stress Level in MS University, Tirunelveli* (2020)
  18. *A Comparative Study on Socio Economic Status of Two Villages in Tirunelveli District* (2020)
  19. *A Statistical Analysis on Non-communicable disease in Tirunelveli* (2020)
  20. *A Survey on Prediction of Liver Patients using Liver Function Test* (2020)
  21. *Usage of Internet Resources and Its Effects in MS University Students, Abishekapatti, Tirunelveli.* (2020)
  22. *Forecasting Rice Production in India using Time Series Analysis* (2020)
  23. *A Statistical Study on Women’s Faced their Problem in Society* (2020)
  24. *A Socio-Economic Status of Beedi Workers in Thachanallur, Tirunelveli* (2019)
  25. *A Socio-Economic Status of Cotton Mill Workers in Rajapalayam, Viruthunagar District* (2019)
  26. *A Survey on Game Addiction of Post Graduate Students in MS University, Tirunelveli* (2019)
  27. *A Survey On Socio-Economic Status of Cheramahadevi Tirunelveli District* (2019)
  28. *Exponential Smoothing on Market Borrowing by State Government* (2019)
  29. *A Statistical Study on Car Evaluation data using KNN classification and Decision Tree* (2019)
  30. *Data Mining on Market Basket Analysis* (2019)
  31. *A Survey on Mobile Phone users in Thiruvattar Town Kanyakumari District* (2018)
  32. *A Survey on Usage of Laptops in Women’s Hostel, MS University, Tirunelveli* (2018)
  33. *A Statistical Study on Diabetes Affected People in Tirunelveli Town* (2018)
  34. *A Survey on People Purchasing Behaviour in Tenkasi Taluk* (2018)

### CONFERENCE & WORKSHOP ORGANIZATION

- 📅 **Workshop on Stochastic Modelling using Software** (Coordinator), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, March 21–26, 2022.
- 📅 **National Webinar on Research Methodology and Data Analysis Using SPSS** (Coordinator), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, November 27–28, 2020.
- 📅 **Webinar on Connecting the World with Data** (Coordinator), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, October 20, 2020.
- 📅 **Web-quiz in Statistics on National Statistical Day 2020** (Organizing Committee Member), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, June 29, 2020.
- 📅 **UGC Sponsored International Conference on Recent Trends in Stochastic Modeling and Its Applications** (Organizing Committee Member), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, January 09–11, 2020.
- 📅 **International Conference on Recent Trends in Stochastic Modeling and Its Applications** (Organizing Committee Member), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, January 08–09, 2018.

- 📅 **Two-day Workshop on Statistical Computations using SPSS & R** (Organizer), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, June 01–02, 2017.
- 📅 **National Conference on Stochastic Modeling and Its Applications** (Organizing Committee Member), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, January 04–05, 2017.
- 📅 **Special Lecture on Career-Oriented Programme in Medical Statistics** (Organizer), Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, August 01–02, 2016.

### INVITED LECTURES / RESOURCE PERSON

- 2024 **One Day State Level Workshop on Data Analytics using SPSS**, PG Department of Mathematics & Department of Data Science, Syed Hameedha Arts and Science College, Kilakarai, October 10, 2024, Tirunelveli
- 2023 **Lecture on Statistics in Clinical Research at Siddhaphilia - Science Club Meeting**, Siddha Clinical Research Unit, Palayamkottai, October 18, 2023, Tirunelveli
- 2023 **Workshop on Research Methodology and Technical Writing**, Department of Statistics, Periyar University, January 27, 2023, Salem
- 2022 **Webinar on Recent Trends in Data Analytics**, Department of Statistics, Rathinam Arts and Science College, October 21, 2022, Coimbatore
- 2022 **Two Days Online National Workshop on Descriptive Data Analysis using Open Source Softwares**, Department of Statistics, D.H.S.K. Commerce College, April 25-26, 2022, Dibrugarh (Assam)
- 2022 **Seven Days National Workshop on Advanced Research on Time Series Modeling and Business Forecasting**, Department of Statistics, Periyar University, March 1-7, 2022, Salem
- 2021 **Webinar Series - Research for Beginners (Online)**, Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women, October 04-08, 2021, Chennai
- 2021 **Workshop on Descriptive Statistics in Research (Online)**, Internal Quality Assurance Cell (IQAC) and PG & Research Department of Commerce, Shri Shankarlal Sundaribai Shasun Jain College for Women, June 05, 2021, Chennai
- 2021 **Statistical Analysis Using R and Python (Resource Person - Online)**, Department of Statistics, Periyar University, March 18-19, 2021, Salem
- 2018 **Scope of Statistics in the field of Commerce**, Department of Commerce, Holy Cross Home Science College, July 12, 2018, Tuticorin
- 2017 **A 3 Day Computer Training Programme for Recruit Police Constables**, CSE, CITE & Statistics, Manonmaniam Sundaranar University, November 27-29, 2017, Tirunelveli
- 2017 **Introduction of Statistics Career Guidance and its Applications**, Department of Statistics, G. Venkataswamy Naidu College, June 27, 2017, Kovilpatti
- 2015 **Demonstrate the software SPSS for Students**, Department of Mathematics, St. Xavier's College (Autonomous), March 09 & 10, 2015, Tirunelveli

### PAPER PRESENTED IN SEMINAR/ CONFERENCE/ WORKSHOP

- 2024 **Hybrid Robust Lasso for Outlier Detection in High-Dimensional Data**, International Conference on Innovative Trends in Statistics, Optimization, and Data Science (IC-ITSODS-2024), 44th Annual convention of Indian Society for Probability and Statistics (ISPS) and 8th Convention of Indian Association for Reliability and Statistics (IARS), Kurukshetra University, Kurukshetra, Haryana, India December 21-23, 2024.
- 2023 **Blockchain and Machine Learning Approaches for Credit Card Fraud Detection**, International Conference on Smart Systems and Inventive Technology, Francis Xavier Engineering College, Tirunelveli, January 23-25, 2023.
- 2020 **Machine Learning techniques for classification of Medical Data**, International Conference on Recent Trends in Stochastic Modeling and Its Applications, M S University, Tirunelveli, January 09–11, 2020.
- 2018 **A Survey on Outlier Detection Methods and Its Applications**, International Conference on Quality Enhancement in Academic Research, Jamal Mohamed

- 35. **A Study on Wheat Production in India through Time Series Analysis** (2018)
- 36. **A Statistical Analysis on Goods and Service Tax in Tirunelveli Junction and Town** (2018)

### UGC RECOGNIZED COURSES ATTENDED

#### Refresher Course in Mathematics & Statistics

UGC - HRDC, Himachal Pradesh University, Shimla

📅 Feb 12 - 24, 2024    📍 Shimla

#### Refresher Course in Math, Stat, Comp.Sci.& Astro.

UGC - HRDC, University of Lucknow

📅 Feb 17 - 29, 2020    📍 Lucknow

#### Orientation Programme (4 Weeks)

UGC - HRDC, Jawaharlal Nehru University

📅 Oct 8 - Nov 2, 2018    📍 New Delhi

### ADDITIONAL PROGRAMMES ATTENDED

#### Faculty Development Programme on Online Medium

Manonmaniam Sundaranar University

📅 July 9-15, 2020    📍 Tirunelveli

#### Orientation Programme for Research Supervisors of MSU

IQAC & Centre for Research, MSU

📅 November 1, 2017    📍 Tirunelveli

#### orientation programme for government, Aided & Autonomous College Teachers of MSU

Manonmaniam Sundaranar University

📅 September 15, 2017    📍 Tirunelveli

#### Faculty Development Programme

Department of Business Management, MSU


📅 Feb 24 - Mar 3, 2017    📍 Tirunelveli

#### Orientation Programme on Newly Recruiters Teachers of Manonmaniam Sundaranar University (Under UGC – XII Plan)

Centre for Curriculum and Faculty Development, Manonmaniam Sundaranar University

📅 December 2, 2016    📍 Tirunelveli

### OBSERVER / EXAMINER / DC MEMBER

 **Observer JEE (Main) 2025 Session 1** by National Testing Agency (NTA)

 **Observer NEET (UG) (2023 & 2024)** by National Testing Agency (NTA)

 **Subject Expert(Interview Board Member) (2023-24)**

Kendriya Vidyalaya, Naval Base, Vijayanarayanam, Tirunelveli.

 **Doctoral Committee Member** Ph.D., Scholar(Statistics), MSU

 **Flying Squad Member** DD&CE MSU Examinations

 **External Examiner** PG & UG Practical Examinations

College, Trichirappalli, April 21, 2018.

- 2017 **Robust Outlier Detection in Multivariate Samples**, **National Conference on Stochastic Modeling and Its Applications**, Manonmaniam Sundaranar University, Tirunelveli, January 04–05, 2017.
- 2015 **Identifying Outliers in Medical Data using Labeling Methods**, **Department of Statistics, Presidency College**, Chennai, during February 27-28, 2015.
- 2015 **A comparative study on Nearest-Neighbor based Outlier Detection in Data Mining**, **International Conference on Emerging Trends in Science, Engineering, Business and Disaster Management**, Noorul Islam University, Kumaracoil, February 27–28, 2015.
- 2014 **Outlier Detection in Multivariate Data**, **International Conference on Mathematics and its Applications (ICMAA-2014)**, Anna university college of Engineering, Villupuram, December 15–17, 2014.
- 2014 **Unmasking Outlier detection and its Applications on Reliability Theory and Survival Analysis**, **Department of Statistics, Annamalai University**, Annamalainagar, November 17–19, 2014.
- 2013 **Outlier Detection In Univariate Data Discordancy Tests**, **Department of Statistics, ICMR**, Chennai, December 27-28, 2013.

## SEMINAR/ CONFERENCE/ WORKSHOP PARTICIPATIONS

### Conferences and International Events:

- International Conference on Smart Systems and Inventive Technology (ICSSIT 2023), Francis Xavier Engineering College, Tirunelveli, January 23-25, 2023.
- International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA2020), Manonmaniam Sundaranar University, Tirunelveli, January 09– 11, 2020.
- Two Day National Conference on Swami Vivekananda's Thoughts on Education and Present-Day Educational Atmosphere, Centre for Swami Vivekananda Studies, Manonmaniam Sundaranar University, Tirunelveli, September 10 & 11, 2018.
- International Conference on Quality Enhancement in Academic Research, Jamal Mohamed College, Trichirappalli, April 21, 2018.
- National Conference on Stochastic Modelling and Its Applications, Manonmaniam Sundaranar University, Tirunelveli, January 04 – 05, 2017.
- International Conference on Emerging Trends in Science, Engineering, Business and Disaster Management, Noorul Islam University, Kumaracoil, February 27 – 28, 2015.
- International Conference on Mathematics and its Applications (ICMAA-2014), Anna university college of Engineering, Villupuram, December 15 – 17, 2014.
- International Conference on Frontiers and its Applications, Department of Statistics, Pondicherry University, Puducherry, December 21-23, 2012.
- National Conference on Stochastic Modeling and Its Applications, Manonmaniam Sundaranar University, Tirunelveli.

### Workshops and Training Programs:

- A One-Day Workshop on Intellectual Property Rights, IQAC, M S University, Tirunelveli, February 15, 2023.
- A One-Day Training on preparation of Revised Bloom's Taxonomy - based Internal and Semester Exam Question Papers, IQAC, M S University, Tirunelveli, January 24, 2023.
- Hands-On Training on PFMS for Teaching and Administrative Staff, IQAC & Centre for Special and Movement Education, School of Education, Manonmaniam Sundaranar University, Tirunelveli, October 19 - 23, 2020.
- MHRD sponsored Workshop on Data Analysis for Higher Education Teachers, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, January 7 - 8, 2020.
- New Trends on Stochastic Processes, SQC & Reliability Using R Programming, Department of Statistics, Annamalai University, Annamalainagar during July 11 & 12, 2019.

## PROFESSIONAL MEMBERSHIPS

- Member - International Society for Clinical Biostatistics (ISCB)  
Member ID: 6081
- Life Member - Indian Society for Probability and Statistics (ISPS)  
Member ID: LM/2013/48/1007
- Member - International Association of Engineers (IAENG)  
Member ID: 164943
- Member - Internet Society (ISOC)  
Member ID: 124040
- Senior Member - International Society for Research and Development (ISRD)  
Member ID: SR4150900592

## JOURNAL & BOOK REVIEWER

- Peer Reviewer Asian Journal of Probability and Statistics  
Asian Journal of Probability and Statistics
- Peer Reviewer Archives of Current Research International  
Archives of Current Research
- Table of Contents Reviewed: Introductory Statistics, Tenth Edition by Prem S. Mann  
Wiley
- Peer Reviewer - International Journal of Agricultural and Statistical Sciences  
Connect Journals
- Peer Reviewer - Communications in Statistics Theory and Methods  
Taylor & Francis
- Peer Reviewer - Journal of Modern Applied Statistical Methods  
Wayne State University
- Book Reviewer - Advances in Applied Statistics (ISBN: 978-93-88879-28-6)  
New Delhi Publisher

## TECHNICAL SKILLS

- Statistical Analysis: R, Python, SPSS
- Document Preparation: MS-office, L<sup>A</sup>T<sub>E</sub>X
- Web Development: HTML, Blogger
- Design Software: Adobe Photoshop

## COURSE E - CONTENT DEVELOPMENT

- Sampling Techniques: Unit 1 Lecture Notes
- Multivariate Analysis: Unit 1 Lecture Notes
- Multivariate Analysis: Unit 2 Lecture Notes
- Operations Research: Unit 5 Lecture Notes

- International Workshop on Recent Trends in Stochastic Modeling and Its Applications, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, January 11 & 12, 2019.
- One day Workshop on MOOCs through SWAYAM, organized by Manonmaniam Sundaranar University, Tirunelveli, November 19, 2018.
- Three-day National Level Trainers of Training on Social Entrepreneurship, Department of Education, Manonmaniam Sundaranar University, November 16 to 18, 2018.
- Training Programme on Effective Implementation of the Child and Adolescent Labor Prohibition & Regulation Act, Department of criminology & Criminal Justice, Manonmaniam Sundaranar University, Tirunelveli, August 24, 2017.
- One day Training Programme on Effective Utilization of E-Resources, University Library, Manonmaniam Sundaranar University, Tirunelveli during August 10, 2017.
- One Day Training on high Impact Teaching Skills, Internal Quality Assurance Cell, Manonmaniam Sundaranar University, Tirunelveli, July 19, 2017.
- Workshop on Computational Statistics, Interdisciplinary Statistical Research Unit (ISRU), Indian Statistical Institute (ISI), Kolkata, February 22 - 26, 2016.
- Workshop on High Dimensional Statistical Computations Using R, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, during July 21 - 24, 2014.
- Workshop on Stochastic Modeling in System Engineering, Department of Mathematics, Coimbatore Institute of Technology, Coimbatore, March 14 & 15, 2014.
- Workshop on Advanced Training Programme in Statistics (Sponsor by Indian Statistical Institute (ISI), Chennai), Department of Statistics, Indira Gandhi College of Arts and Science, Pondicherry, November 18 - 22, 2013.
- Workshop on Training Programme on Applications of SAS, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, October 28 – 31, 2013.
- Workshop cum Seminar on Recent Advancements in Statistical Research, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, August 1 - 3, 2013.
- Workshop for Beginners in Research on Statistical Software Packages, Department of Statistics and Curriculum Development Cell, Manonmaniam Sundaranar University, Tirunelveli, March 13 - 15, 2013.
- Workshop on Applications of SAS Software, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, February 25 – 27, 2013.
- Workshop on Mobilization of Impact Making R&D Projects, Curriculum Development Cell held at Manonmaniam Sundaranar University, Tirunelveli, December 11 & 12, 2012.





### Seminars and Symposiums:

- MHRD sponsored One day Symposium on Teaching Criminology & Victimology – Yesterday, Today & Tomorrow, Department of Criminology and Criminal Justice, Manonmaniam Sundaranar University; Tirunelveli, September 5, 2019.
- One Day Seminar on Quality Research and Publications, organized by Centre for Research, Manonmaniam Sundaranar University; Tirunelveli, December 7, 2018.
- National Colloquium on Technology enabled learning, Manonmaniam Sundaranar University; Tirunelveli collaborated with IIT Bombay, Mumbai and MHRD, New Delhi on April 19, 2018.
- Statistics Day Celebrations, Ministry of Statistics & Programme Implementation Government of India, NSSO (FOD) Tamil Nadu. June 29, 2014.
- Seminar on MATLAB & Simulink for Engineering Education, Math Works India Private Limited held on Tirunelveli, January 7, 2014.
- One day Symposium on Statistics held at Indian Statistical Institute (ISI), Chennai Center during April 13, 2013.
- State Level Seminar on “Cellular Automata” held at Department of

### CHAIR PERSON / REVIEW COMMITTEE






- **Peer - Committee Member** in the UGC sponsored First International and Fourth Annual Post Graduate Criminology Conference at Manonmaniam Sundaranar University, Tirunelveli, March 6 -7, 2020.
- **Technical Session Member** in the UGC sponsored First International and Fourth Annual Post Graduate Criminology Conference at Manonmaniam Sundaranar University, Tirunelveli on March 6 -7, 2020.

### STUDENT CO-CURRICULAR ACTIVITIES

-  Mentor and Project Supervisor for PG Statistics students, providing guidance and support throughout their research projects
-  Conduct seminars and assign assignments regularly to enhance students' understanding of statistical concepts
-  Offer career counseling sessions to students, assisting them in making informed decisions about their future paths
-  Served as a Mentor to the Gents Hostel at M S University (2016 – 2021), providing guidance and support to students residing in the hostel

### COURSE COORDINATOR EXPERIENCE

Coordinated and managed **Certificate Course in Machine Learning** at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli [2023 - 2024]

-  Developed curriculum, assignments, and assessments in collaboration with faculty.
-  Organized course meetings, managed logistics, and addressed student inquiries.
-  Monitored student progress, assessed assignments/exams, and provided feedback.
-  Collaborated with other coordinators and faculty for consistency and quality.
-  Implemented improvements based on feedback and evaluation.

### BLOGS/ WEBSITE

-  <https://statweb.blogspot.com/>
-  <https://researchmining.blogspot.com/>
-  <https://manojeblogs.blogspot.in/>

### LANGUAGES (READ/WRITE/SPEAK)







English (R+W+S) ● ● ● ● ●

Tamil (R+W+S) ● ● ● ● ●

Mathematics, Sadakathulla Appa College, Tirunelveli during March 1, 2013.

## ACADEMIC IDENTITY

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Academic Identity	URL
 Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57202613654">https://www.scopus.com/authid/detail.uri?authorId=57202613654</a>
 WoS ResearcherID: M-4563-2015	<a href="https://www.webofscience.com/wos/author/record/M-4563-2015">https://www.webofscience.com/wos/author/record/M-4563-2015</a>
 Google Scholar ID	<a href="https://scholar.google.co.in/citations?user=54h_-8EAAAAJ&amp;hl=">https://scholar.google.co.in/citations?user=54h_-8EAAAAJ&amp;hl=</a>
 Vidwan-ID:105219	<a href="https://msuniv.irins.org/profile/105219">https://msuniv.irins.org/profile/105219</a>
 0000-0002-0022-9011	<a href="https://orcid.org/0000-0002-0022-9011">https://orcid.org/0000-0002-0022-9011</a>
 Research Gate	<a href="https://www.researchgate.net/profile/Manoj-Kuppusamy">https://www.researchgate.net/profile/Manoj-Kuppusamy</a>

\*\*\*\*\* (CV Last Update February 14, 2025) \*\*\*\*\*