

Curriculum Vitae



Name : A.Loganathan

Date of Birth : 25-05-1962

Nationality : Indian

Educational Qualifications:

- M.Sc., in Statistics, University of Madras, Chennai, 1984.
- Ph.D., in Statistics, Annamalai University, Annamalai Nagar, 1992.

Designation:

Professor, Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvarur 610005.

Contact Details: loganathan@cutn.ac.in, loganathanappaia@gmail.com

Mobile: 9486634993

Teaching Experience:

S. No.	Name of Institution	Designation	Permanent	Period		
				From	To	Service
1.	Central University of Tamil Nadu, Thiruvarur	Professor	Yes	03-07-2024	Till Date	
2.	Manonmaniam Sundaranar University, Tirunelveli	Professor	Yes	03-08-2008	30-06-2022	13 years, 10months, 28days
3.	Manonmaniam Sundaranar University, Tirunelveli	Reader / Associate Professor	Yes	03-08-2000	02-08-2008	08 yrs
4.	Manonmaniam Sundaranar University, Tirunelveli	Lecturer	Yes	21-10-1992	02-08-2000	07 yrs; 09 months; 13 days

Area of Specialization

Bayesian Inference in Finite Mixture Distributions

Fields of Research Interest

Finite Mixture Distributions, Acceptance Sampling Plans, Life Testing and Reliability Theory, Cluster Analysis, Statistical Modelling using Machine Learning Techniques

Research Guidance

- 11 Candidates awarded Ph.D., Degree; 1 in Progress (Details are in Annexure-I)
- 17 Candidates awarded M.Phil., Degree (Details are in Annexure- II)

Research Publications

60 (International – 33 National – 27) (Details are in Annexure-III)

Books & Chapters Authored/ Edited

11 (Details are in Annexure-IV)

Invited Talks Delivered

39 (Details are in Annexure-V)

Research Papers Presented in Conferences/Seminar/Workshops

118 (International – 49 National – 59 State Level –10) (Details are in Annexure-VI)

Research Projects Carried Out

Completed – 08 (Details are in Annexure-VII)

Training Programmes Attended

14 (Details are given in Annexure- VIII)

Conferences/Workshops/Seminars Organized

11 (Details are in Annexure- IX)

Honours and Awards

- Delivered Prof. S.P.Rajagopalan Endowment Lecture at University of Madras on 21-12- 2018.
- Delivered Prof. J. Ranganathan Endowment Lecture at University of Madras on 24-01- 2022.
- Domain Expert for XI Standard Text Book In STATISTICS prepared by Department of School Education, Government of Tamil Nadu.
- Domain Expert for XII Standard Text Book In STATISTICS prepared by Department of School Education, Government of Tamil Nadu.
- Subject Matter Expert for Project Proposal Review for Council of Scientific and Industrial Research, HRDG (23-07-2020).
- Paper Setter for CUSAT CAT2020 - a National Level Examination conducted by Cochin University of Science and Technology, Cochin (26-12-2019).
- Paper Setter for PET2020 - a National Level Examination conducted by Banaras Hindu University, Varanasi (04-01-2020).
- Appreciation from Manonmaniam Sundaranar University for the Contribution towards NAAC Accreditation - Cycle III (01-04-2016).
- UGC Nominee, Advisory Committee, UGC- SAP, Cochin University of Science and Technology (2017-2022).
- Young Scientist Award from Tamil Nadu State Council for Science and Technology (01-04-1997).

Membership in Professional Bodies

- Life Member in Indian Bayesian Society
- Life Member in Calcutta Statistical Association
- Life Member in Indian Society for Probability and Statistics.

Reviewer to Journals

- Communications in Statistics – Theory and Methods
- Journal of Applied Statistics
- Journal of Indian Statistical Association
- IJOMAS
- Food Control

Financial Support/Grants Generated at *Manonmaniam Sundaranar University, Tirunelveli*

- Deputy Co-ordinator, **UGC - SAP** of Department of Statistics at the level of **DRS-II** with sanction of **Rs. 37 lakhs** and **one Project Fellow** (2016 – 2021)
- Deputy Co-ordinator, **UGC - SAP** of Department of Statistics at the level of **DRS-I** with sanction of **Rs. 36 lakhs** and **one Project Fellow** (2010 – 2015).

- UGC awarded **30 Junior Research Fellowships** for Meritorious Students of Department of Statistics under SAP-DRS scheme.
- UGC awarded **Non-SAP** grant of **Rs. 30 lakhs** and **Two Research Fellowships** to Department of Statistics (2008 – 2011).
- UGC sanctioned grant of **Rs.60 lakhs** to Department of Statistics for developing **infrastructure facilities** under SAP (2011-2015).
- DST under FIST programme at **Level-II** with sanction of **Rs.45 lakhs** (2019 – 2024).
- DST, New Delhi awarded a grant of **Rs.15 lakhs** under FIST programme (2005 – 2010).

Administrative Responsibilities at Manonmaniam Sundaranar University, Tirunelveli.

- **Co-ordinator, Publication Division** (2005-2009)
- **Co-ordinator** for **Collecting Statistical Facts** of the University for submitting to UGC, New Delhi (2008).
- **Director, Internal Quality Assurance Cell**, (2009-2011).
- **Nodal Officer, Statistical Cell** (2009-2011).
- **Head, Department of Statistics** (2013 – 2016)
- **Member, Senate** (2013 – 2016).
- **Member, Standing Committee on Academic Affairs** (2013 – 2016).
- **Director, Center for Purchase** (2016 – 2021)
- **Member, Internal Quality Assurance Cell** (2014)
- **Member Co-ordinator, NAAC – Core – Committee** (Cycle III)
- **Member, RUSA Committee** (2014)
- **Member, Committee** for Reading and Printing of **Manonmaniam Sundaranar University Act and Statutes** (2021).

Other Academic Activities

A. Member, Selection Committee constituted for Recruitments and Promotion

- (i) Subject Expert for CAS promotion in Statistics, University of Kerala, Trivandrum (23.07.2011)
- (ii) Member, Local Selection Committee to select Temporary Lecturers in Statistics in Manonmaniam Sundaranar University
- (iii) Member, Selection Committee for Statistics, Periyar University, Salem (06.04.2017)
- (iv) Member, Selection Committee for Sri Sarada College for Women, Tirunelveli (27.03.2018)
- (v) Vice Chancellor's Nominee (Professor) for selection of Candidates for the post of Principal in Vivekananda college, Agasteeswaram on 30.05.2019

- (vi) ChairPerson of the Governing Body in the Selection Committee for selecting a candidate of Assistant Professor in Statistics, Salam Sowdeswari College, Salem on 26.07.2019.

B. University Representative

- (i) St. John's College of Arts and Science, Ammandivilai.
- (ii) Udaya College of Arts and Science
- (iii) Malankara Catholic College.
- (iv) Sri Sarada College for Women, Tirunelveli (2017-2019)
- (v) M.D.T Hindu College, Pettai (2019-2021)
- (vi) Bishop Caldwell College, Thoothukudi for a period of two years from February 2021.

C. Member, Board of Studies for Academic Degree Programmes

- (i) Reviewer of Board of Studies in Statistics (UG & PG), Tamil Nadu State Council for Higher Education, Chennai.
- (ii) Manonmaniam Sundaranar University (M.Phil., Statistics, M.Sc., Statistics, M.Sc., Statistics and Information Technology, B.Sc., Statistics)
- (iii) Annamalai University, Annamalai Nagar (M.Sc., Statistics during 2009 -2012)
- (iv) Bharathiar University, Coimbatore (B.Sc., Statistics during 2017- 2020)
- (v) School Board in Mathematical Science, Pondicherry University, Puducherry.
- (vi) Periyar University, Salem (M.Phil., Statistics during 2017-2018 and M.Sc., Statistics during 2017-2021)
- (vii) University of Madras, Chennai (M.Sc., degree in Statistics) .

D. Convener, Inspection Commission for ELP Centers of Manonmaniam Sundaranar University

- (i) Sri Ram Institute of Medical Laboratory Technology, Sri Ramulu Naidu Telugu Minorities Educational Trust, Dindigul on 04.02.2011
- (ii) NTC ELP Center, Namakkal on 29.05.17.
- (iii) Aran Charity Trust, Arumanai, K.K Dist, Tamil Nadu on 07.02.2019.
- (iv) Sathia Institute of Engineering Technology, Kuzhithrai, K.K Dist, Tamil Nadu on 07.02.2019.
- (v) RSG Trust, Pudur, Tuticorin District on 01.06.2019.
- (vi) Mohamed Ismail ELP Center, Vadavasi, Thiruvannamalai (Dist) on 08.06.2019.

E. Chairperson / Member, Inspection Commission for granting further affiliation to academic degree programmes

- (i) Thiruvalluvar College, Papanasam on 11.02.2015.

- (ii) Global Academy for Management Educational & Charitable Trust to verify the infrastructure on 03.05.2017.
- (iii) SET College of Higher Studies, Tirchengode and Thiyagi Subramania Siva Educational and Charitable Trust, Salem to verify the infrastructure on 11.04.2017.
- (iv) Chairperson, Inspection Commission to visit the new college “Einstein College of Arts and Science, Sethapurpanallur” Tirunelveli for the academic year (2017-2018)
- (v) Chairperson, Inspection Commission to visit St. John’s College, Palayamkottai to verify the infrastructure for the academic year 2017 – 2018.
- (vi) Chairperson, Inspection Commission to visit St.Alphonsa College of Arts & Science, Karungal for the academic year 2017 – 2018.
- (vii) Chairperson, Inspection Commission to visit Don Bosco College of Arts & Science, Keela Eral, Kovilpatti for the academic year 2018 – 2019.
- (viii) Chairperson, Inspection Commission to visit Noorul Islam College of Arts & Science, Kumarakoil, Thuckalay for the academic year 2019-2020.
- (ix) Chairperson, Inspection Commission to visit Scott Christian College, Nagercoil for the academic year 2020 – 2021.

F. Member, Committees constituted for UGC Programmes

- (i) Member, Planning Board for preparing the proposal for applying Block Grant for Aditanar College of Arts & Science College, Tiruchendur on 17.07.2018 (2018-2020)
- (ii) Member, Expert Committee for grant of Fresh Autonomous Status by UGC Scheme of Autonomous College on the spot inspection of Sri Sarada College for Women, Tirunelveli on 09.07.2019.

G. Question Paper Setter and / or Examiner to M.Phil. & Ph.D. Programmes

- (i) Manonmaniam Sundaranar University (M.Phil., and Ph.D.,)
- (ii) Bharathiar University, Coimbatore. (M.Phil., and Ph.D.,)
- (iii) Karpagam Academy of Higher Education, Coimbatore (Ph.D.,)
- (iv) Banaras Hindu University, Varanasi. (Ph.D.,)
- (v) University of Kerala (Ph.D.,)
- (v) Annamalai University, Annamalai Nagar (M.Phil.,)

H. Question Paper Setter and / or Examiner to PG Programmes

- (i) Manonmaniam Sundaranar University (M.Sc., Statistics)
- (ii) Bharathiar University, Coimbatore.
(M.Sc., Statistics and M.Sc., Statistics with Computer Applications)
- (iii) Annamalai University, Annamalai Nagar.
(M.Sc., Statistics, M.Sc (Agri / Horti, and MBA)

- (iv) University of Kerala, Thiruvananthapuram (M.Sc. Statistics (CSS))
- (v) Pondicherry University, Puducherry. (M.Sc. Statistics)

I. Question Paper Setter and / or Examiner to U.G. Programmes

- (i) Manonmaniam Sundaranar University (B.Sc., Statistics)
- (ii) University of Madras, Chennai. (B.Sc., Statistics)
- (iii) Tamil Nadu Veterinary and Animal Sciences University, Chennai (B.F.Sc.,)
- (iv) Tamil Nadu Fisheries University, Nagapattinam (B.FSc.,)

J. Question Paper Setter for Selection/ Screening Tests

- (i) Central Council for Research in Siddha, Ministry of AYUSH, Govt. of India.
- (ii) Tamil Nadu Public Service Commission, Government of Tamil Nadu.

ANNEXURE I

Details of Candidates Guided for Ph.D., Programme in Statistics of Manonmaniam Sundaranar University, Tirunelveli

S.No.	Name of the Candidate	Title of the Thesis	Date of Award of Degree
1.	Dr.K.Rajagopal (Reg.No.0985)	Design and Evaluation of Single Sampling Plans – A Bayesian Approach	31.08.2009
2.	Dr.D.Jeyasingh (Reg.No.1850)	Ground Water Salinity and Its Impact on Coastal Area in a Developing Context: A Economic Analysis (Co-Guide)	13.11.2009
3.	Dr. D. Rajalakshmi (Reg. No. 2388)	Contributions to A Study on the Design and Evaluation of Sampling Inspection Plans by Attributes and Variables	08.11.2011
4.	Dr. K. Shalini (Reg No. 3020)	Design and Evaluation of Single Sampling Plans Based on Mixture Models Consisting Zero-Inflated Component Distribution	04.07.2014
5.	Dr. S. Kalaiselvi (Reg. No. 3019)	Determination and Evaluation of Reliability Sampling Plans by Attributes on Rayleigh Distribution – A Bayesian Approach	12.09.2014
6.	Dr. M. Saral (Reg. No.3104)	Construction of Sampling Plans under the Conditions of Mixture of Discrete Distributions	20.11.2015
7.	Dr. P. Muthukrishnan (Reg. No. 3101)	Determination of Sampling Plans under the conditions of Contaminated Distributions	14.06.2016
8.	Dr. S. Mari Chelvi (Reg. No. 9003)	Estimation of Parameter of Inverse Maxwell Distribution	06.09.2018
9.	Mr. M. Gunasekaran (Reg. No. 11475)	Design and Evaluation of Reliability Sampling Plans for Some Exponentiated Lifetime Distributions	
10.	Mr. R. Jeromia Muthuraj (Reg. No. 11476)	Statistical Modelling for Software Reliability Using Environmental Factors	
11.	Sumithra. P (Reg. No. 20114012152030)	Statistical Modeling for Data Analytics using Machine Learning Techniques	12.09.2023

In Progress

S.No.	Name of the Candidate	Topic of Research	Date of Registration
1.	Aabhilash N. Madhvan (Reg. No. 19224011061053)	Statistical Modelling for Web Marketing	09-03-2020

ANNEXURE II

Details of Candidates Guided for M.Phil., Programme in Statistics of Manonmaniam Sundaranar University, Tirunelveli

S.No.	Name of the Candidate	Title of the Thesis	Year of Award of Degree
1.	Ms. K. Archana (Reg.No. 4117002)	Mixed Exponential Failure Time Distribution – A Review	2005
2.	Ms. S. Kalai Selvi (Reg. No. 6131002)	A Review on Designing Single Sampling Plans by Variables Based on Non-normal Distributions	2007
3.	Ms. S. Rajeswari (Reg. No. 6131003)	Designing Single Sampling Plans by Variables Based on Normal Distribution – A Review	2007
4.	Ms. S. Pradeepa (Reg. No. 8111808)	A Study on Bayesian Estimation of Parameters in Zero-Inflated Poisson Distribution	2009
5.	Ms. K.Vasanthakala (Reg. No. 9115317)	A Study on Recent Contribution in Economic Design of Variables Rectifying Sampling Plans	2010
6.	Ms. Jannath Rigana (Reg. No. 9115316)	A Study on Bulk Arrival Queues with Heterogenous Service under Single Vacation Policy – A Review	2010
7.	Mr. Sheik Abdullah (Reg. No. 01012308)	Recent contribution to Bayesian Estimation of Parameters in Finite Mixture Distributions - A Review	2011 (20-12-2011)
8.	Ms. S. Mari Chelvi (Reg. No. 01012301)	A Contribution to Economic Design of Bayesian Reliability Sampling Plans	2011 (20-12-2011)
9.	Mr. S. Raguraman (Reg. No. 11015319)	A Review on Bayesian Reliability Sampling Plan for Exponential Distribution	2012 (08-10-2012)
10.	Ms. S. Sivagami (Reg. No. 11015316)	A Review on Control Chart for Zero Inflated Poisson Process	2012 (08-10-2012)
11.	Mr. J. Samsudeen (Reg. No.21016112)	Designing Bayesian Reliability Single Sampling Plans under Maxwell-Inverted Gamma Distribution	2013 (29-10-2013)
12.	Mr. R. Jeromia Muthuraj (Reg. No. 31005603)	A Study on Software Reliability Models	2014 (31-07-2014)
13.	Ms.M.Uma (Reg. No. 41005446)	Estimation of Parameter in Inverse Weibull Distribution – A Review	2015 (23-07-2015)
14.	Ms. S. Suba (Reg. No. 51005345)	A Review on Zero – Inflated Poisson distribution and its industrial Applications	2016 (15-07-2016)

15	Ms. S. Rajeswari (Reg. No.61005370)	Compound Distribution with Decreasing Failure Rate – A Review	2017 (15-07-2017)
16	Ms. N. Southa Banu (Reg. No.61005371)	Design of Bayesian Double Sampling Plans by Attributes – A Review	2017 (15-07-2017)
17	Ms. P. Sumithra (Reg. No.20174013529106)	Construction of Multiple Dependent State Reliability Sampling Plans based on Exponentiated Exponential Distribution	2018

ANNEXURE III

Details of Research Publications

International Level

1. Bayes Estimates of Mixing Proportions in Finite Mixture Distributions (with M.Rajagopalan), **Communications in Statistics – Theory and Methods**, 1991, 20(8), 2337-2349. (**Scopus Index, SCIE, Web of Science**)
2. Bayes Estimates of Mixing Parameters in Finite Mixture Distributions (with M.Rajagopalan), **Communications in Statistics – Theory and Methods**, 1993, 22(11), 3013-3029. (**Scopus Index, SCIE, Web of Science**)
3. A Study on the Behaviour of Operating Characteristic Curves of Sampling Plans Based on Polya Distribution (with R.Vijayaraghavan and K.Rajagopal), **American Journal of Mathematical and Management Sciences**, 2007, 27 (1 & 2), 111-122. (**Scopus Indexed**)
4. Analysis of Operating Characteristic Curves of Gamma-Poisson Sampling Plans (with R.Vijayaraghavan and K.Rajagopal), **American Journal of Mathematical and Management Sciences**, 2007, 27 (1 & 2), 163-177. (**Scopus Indexed**)
5. A Procedure for Selection of Gamma-Poisson Single Sampling Plans by Attributes (with R.Vijayaraghavan and K.Rajagopal), **Journal of Applied Statistics**, 2008, 35 (2), 149 – 160. (**SCI Journal**)
6. Selection of Bayesian Single Sampling Attributes Plans Based on Polya Distribution (with R.Vijayaraghavan and K.Rajagopal), **Economic Quality Control**, 2009, 24(2), Page 179-193. (**Scopus Indexed**)
7. Selection of Manimum Size Repetitive Group Sampling Inspection Plans (with R.Vijayaraghavan and D.Rajalakshmi), **International Journal of Statistics and Economics**, 2010, 5 (A10), Page 116-131.
8. Designing Single Sampling Plans by Variables Using Predictive Distribution. (with R. Vijayaraghavan and K. Rajagopal, **Economic Quality Control**, 2010, 25, page 301-316. (**Scopus Indexed**)
9. Determination of Single Sampling Plans by Attributes under the Conditions of Zero-inflated Poisson Distribution. (with K.Shalini). **Communications in Statistics Simulation and Computation**, May 2013, vol:3, pp.538-548. (**SCI Journal**)
10. Evaluation of Single Sampling Plans by Attributes Using Mixture of Two Distributions (with P. Muthu Krishnan, R. Vijayaraghavan and M. Saral), **Journal of Testing Evaluation**, Vol.41; Issue. 4, July 2013, page 674-683. (**SCI Journal**)

11. Selection of Modified Lot Sensitive Sampling Inspection Plans for Isolated Lots with Small Acceptance Numbers (jointly with R. Vijayaraghavan and D. Rajalakshmi), **Journal of Testing and Evaluation**, 2013, Page 845-850. (SCI Journal)
12. Selection of Bayesian single sampling plans by attributes with desired discrimination (Jointly with R. Vijayaraghavan and K. Rajagopal), **Economic Quality Control**, 2013, Vol. 28, No. 2, page. 167-177. (Scopus Indexed)
13. Selection of Minimum Sample Size Tightened-Normal-Tightened Sampling Inspection Schemes (jointly with R. Vijayaraghavan and D. Rajalakshmi), **Journal of Testing and Evaluation**, Vol.42; Issue. 1, January 2014. (SCI Journal)
14. Construction of Single Sampling Plans by Attributes for Heterogeneous Lots Using a Mixture of Two Poisson Distributions (jointly with M. Saral, R. Vijayaraghavan and P. Muthukrishnan), **Journal of Testing and Evaluation**, Vol.42; No.4, July 2014. (SCI Journal)
15. Bayesian Reliability Sampling Plans under the Conditions of Rayleigh-Inverse-Rayleigh Distribution (jointly with R. Vijayaraghavan and S. Kalaiselvi), **International Journal of Economics and Quality Control**, June 2014.
16. Determination of Bayesian Reliability Sampling Plans Based on Exponential-Inverted Gamma Distribution (jointly with P. Muthu Krishnan and S. Kalaiselvi), **Internations Journal of Quality & Reliability Management**, Vol.31; Issue.8, 2014. (Scopus Indexed)
17. Selection of Single Sampling Plan by Attributes Under the Conditions of Zero – Inflated Poisson Distribution (jointly with K.Shalini), **International Journal of Quality & Reliability Management**, Vol.31; Issue.9, 2014, pp.1002-1011. (Scopus Indexed)
18. Comparison of Estimation Methods for Inverse Weibull Parameters (Jointly with M. Uma), **Global and Stochastic Analysis**, Vol. 4, No. 1, 2017, pp. 83-93. (Scopus Indexed)
19. Determination of Reliability Single Sampling Plans based on Exponentiated Distribution (Jointly with M. Gunasekaran), **Global and Stochastic Analysis**, Vol. 4, No. 1, 2017, pp. 111-118. (Scopus Indexed)
20. Importance of Environmental Factors Affecting Software Reliability (Jointly with R. Jeromia Muthuraj), **Global and Stochastic Analysis**, Vol. 4, No. 1, 2017, pp. 119-125. (Scopus Indexed)
21. A New Methodology for Data Reduction in Software Reliability Studies (Jointly with R. Jeromiah Muthuraj), **Communication in Statistics: Case Studies, Data**

Analysis and Applications, Vol. 2, No. 3 – 4, (October) 2017, pp. 101 – 105. (SCIE, Scopus Indexed)

22. Bayes Estimation of Parameter in Inverse Maxwell Distribution under Weighted Quadratic Loss Function (Jointly with S. Marichelvi and M. Uma), **International Journal of Scientific Research in Mathematical and Statistical Sciences**, Vol. 5, No. 11, (November)2017, pp. 1 – 5.
23. Software Reliability with Logistic Growth Model (Jointly with R. Jeromiah Muthuraj), **International Journal of Creative Research Thoughts**, Vol.5, No. 4, (November) 2017, pp. 1350-1355. (UGC CARE listed)
24. Bayesian Analysis of Operating Characteristics Curves of Single Sampling Plans by Attributes under Mixture of Two Binomial Distributions (Jointly with M. Saral, P. Muthu Krishnan and R. Vijayaraghavan), **Research & Reviews: Journal of Statistics**, Vol. 7, No. 1, (April) 2018, pp. 12s – 23s. (UGC CARE listed)
25. Designing Reliability Single Sampling Plans based on Exponentiated Rayleigh Distribution (Jointly with M. Gunasekaran), **Research & Reviews: Journal of Statistics**, Vol. 7, No. 1, (April) 2018, pp. 36s – 40s. (UGC CARE listed)
26. Dual Principal Component Analysis in Software Reliability Studies (Jointly with R. Jeromai Muthuraj), **Research & Reviews: Journal of Statistics**, Vol. 7, No. 1, (April) 2018, pp. 41s – 46s. (UGC CARE listed)
27. Least Squares and Weighted Least Squares Median Rank Estimation Method for an Inverse Weibull Distribution for Progressively Type – II Censored Samples (Jointly with M. Uma), **Research & Reviews: Journal of Statistics**, Vol. 7, No. 1, (April) 2018, pp. 47s – 52s. (UGC CARE listed)
28. Construction of Reliability Single Sampling Plans based on Exponentiated Exponential Distribution (Jointly with M. Gunasekaran), **Journal of Testing and Evaluation**, Vol.47, No. 2, (March) 2019, pp. 1621 – 1634. (SCI Journal)
29. Naive Principal Component Analysis in Software Reliability Studies (Jointly with R. Jeromia Muthuraj), **International Journal of Computational and Theoretical Statistics**, Vol. 6, No. 1, (May) 2019, pp. 27 – 32.
30. Design of Multiple Dependent State Repetitive Group Sampling Plans based on Exponentiated Exponential Distribution (Jointly with M. Gunasekaran), **Journal of Testing and Evaluation**, Vol.49, no. 2 (March/April 2021): 1315–1325. (SCI Journal)
31. Markov Chain Model for Observing Changing Behaviours of Air Quality Index (Jointly with Sumithra. P), **Applied Ecology and Environmental Sciences**,

Vol. 10, No. 8, **December (2022)**, pp. 498-502. DOI: 10.12691/aees-10-8-1. (UGC CARE listed)

32. Estimation of Air Quality Index Using Multiple Linear Regression (Jointly with Sumithra. P), **Applied Ecology and Environmental Sciences**, Vol. 10, No.12, (August) 2022, pp. 717-722.DOI: 10.12691/aees-10-12-3. (UGC CARE listed)
33. On Replacement of Outliers and Missing Values in Time Series (Jointly with Sumithra. P), **International Journal of Environmental Quality**, Vol.53, No. 1, pp1-10, (January) 2023. <https://doi.org/10.6092/issn.2281-4485/16184>. (SCIE Journal)

National Level

1. A New Algorithm to Bayesian Clustering Rule, **Proceedings of the National Symposium on Statistical Methods and Applications (Editor: R.Elangovan)**, 2002, Page 100-106.
2. An Emprical Study of Operating Characteristic Curves of Beta-Binomial Sampling Plans (with R.Vijayaraghavan and K.Rajagopal), **Contributions to Statistical Research (Eds. K. Senthamarai Kannan et.al.)**, Manonmaniam Sundaranar University, Tirunelveli, 2005, Page 112-127.
3. An Empirical Comparison of Maximum likelihood and Moment Estimators of Parameters in a Zero-inflated Poisson Model (with G.Nanjundan and T.Raveendra Naik), **Mapana Journal of Sciences**, 2009, 8(2), Page 59-72.
4. Single Sampling Plans by Variables Under the Conditions of Exponential Distribution – A Predictive Distribution Approach (with R.Vijayaraghavan and K.Rajagopal), **Journal of Statistics and Applications**, 2010, 5(1), Page 27-46.
5. A Review on Bayesian Single Sampling Plans (with K.Rajagopal and R.Vijayaraghavan), **Recent Trends in Statistical Research (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2010, Page 143-156. (ISBN: 978-81-908352-8-2).
6. Evaluation of Skip-lot Sampling Inspection Plans with Repetitive Group Sampling Plan as the Reference Plan (with D.Rajalakshmi and R.Vijayaraghavan), **Recent Trends in Statistical Research (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2010, Page 157-166. (ISBN: 978-81-908352-8-2).
7. Determination of Single Sampling Plans by Attributes Under the Conditions of Zero-Inflated Poisson Distribution (with K.Shalini), **Recent Trends in Statistical Research (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2010, Page 183-190. (ISBN: 978-81-908352-8-2).

8. A study on OC Curves of Reliability Sampling Plans under the Conditions of Rayleigh–inverse Rayleigh Distribution (with S.Kalaiselvi and R. Vijayaraghavan), **Recent Trends in Statistics and Computer Applications (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2011, Page 71-76. (ISBN: 978-93-81402-12-2).
9. Empirical Analysis of the Operating Characteristic Function of the Single Sampling Plans under the Conditions of a Mixture of Two Poisson Distributions (with P. Muthu Krishnan, R. Vijayaraghavan and M. Saral), **Recent Trends in Statistics and Computer Applications (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2011, Page 77-82. (ISBN:978-93-81402-12-2).
10. Determination of Single Sampling Plans by Attributes under the Conditions of Mixture of Two Binomial Distribution (with P. Muthu Krishnan, R. Vijayaraghavan and M. Saral), **Recent Trends in Statistics and Computer Applications (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2011, Page 83-88.(ISBN: 978-93-81402-12-2).
11. Analysis of Operating Characteristic Curves of Zero-Inflated Poisson Sampling Plans (jointly with K. Shalini), **Recent Trends in Statistics and Computer Applications, (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2011, Page 89-94. (ISBN: 978-93-81402-12-2).
12. Selection of Bayesian Single Sampling Plans in the Presence of Inspection Error (with K. Rajagopal and R. Vijayaraghavan), **Recent Trends in Statistics and Computer Applications (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2011, Page 101-106. (ISBN: 978-93-81402-12-2).
13. A Procedure for Selection of Skip-lot Double Sampling Inspection Plans (with D. Rajalakshmi and R. Vijayaraghavan), **Recent Trends in Statistics and Computer Applications (Edited by K.Senthamarai Kannan and A.Loganathan)**, 2011, Page 107-113. (ISBN: 978-93-81402-12-2).
14. Reliability Sampling Plans under the Conditions of Rayleigh – Maxwell Distribution A Bayesian Approach (with S. Kalaiselvi and R. Vijayaraghavan), **Recent Advances in Statistics and Computer Application**, 2011, Page 280-283. (ISBN: 978-81-921385-0-3).
15. Designing Bayesian Reliability Sampling Plans under Exponential – Inverted Gamma Distribution (with P. Muthu Krishnan and S. Kalaiselvi), **New Methodology in Statistical Research (Edited by K. Senthamarai Kannan and A. Loganathan)**, 2012, Page 41-46. (ISBN: 978-93-81402-26-9).
16. Analysis of the Operating Characteristic Curve of Bayesian Single Sampling Plans by Attributes for Non – Homogeneous Lots (with M. Saral, R.Vijayaraghavan and P. Muthu Krishnan), **New Methodology in Statistical Research (Edited by**

K. Senthamarai Kannan and A. Loganathan), 2012, Page 47-52. (ISBN: 978-93-81402-26-9).

17. Determination of Bayesian Single Sampling Plans by attributes under the conditions of zero-inflated Poisson distribution (with K. Shalini), **New Methodology in Statistical Research (Edited by K. Senthamarai Kannan and A. Loganathan)**, 2012, Page 53-59. (ISBN: 978-93-81402-26-9).
18. Recent Development in Desinging Bayesian Reliability Sampling Plans – An Overview (with S. Kalaiselvi and R.Vijayaraghavan), **New Methodology in Statistical Research (Edited by K. Senthamarai Kannan and A. Loganathan)**, 2012, Page 61-67. (ISBN: 978-93-81402-26-9).
19. Selection of Re-sampling Schemes with Single Sampling Plan as the Reference Plan using Bayesian Methodology (with K. Rajagopal and R.Vijayaraghavan), **New Methodology in Statistical Research (Edited by K. Senthamarai Kannan and A. Loganathan)**, 2012, Page 93-100. (ISBN: 978-93-81402-26-9).
20. Bayesian Skip-lot Sampling Inspection Plans by Attributes (with D. Rajalakshmi and R.Vijayaraghavan), **New Methodology in Statistical Research (Edited by K. Senthamarai Kannan and A. Loganathan)**, 2012, Page 101-107. (ISBN: 978-93-81402-26-9).
21. Accelerated Life Test Based Bayesian Sampling Plans under the Conditions of Rayleigh Distribution (with S. Kalaiselvi) – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.1, page 28-35, 2014.
22. Design and Evaluation of Bayesian Single Sampling Plans by Attributes for Non-homogeneous Lots (with M. Saral and P. Muthukrishnan) – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.1, page 85-91, 2014.
23. Bayesian Single Sampling Plans by Attributes under the Conditions of Zero-inflated Poisson Distribution (with K. Shalini and N. Kavitha) – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.1, page 92-98, 2014.
24. A Study on the Construction and Selection of Bayesian Reliability Sampling Plans under the Conditions of Exponential Distribution – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.2, page 06-13, 2014.

25. Determination of Bayesian Life Test Sampling Plans Based on Maxwell-Square Root Inverted Gamma Distribution (with P. Muthu Krishnan and S. Mari Chelvi) – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.2, page 14-21, 2014.
26. Designing Re-sampling Schemes using Bayesian Methodology (with K. Rajagopal and R. Vijayaraghavan) – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.2, page 35-42, 2014.
27. Evaluation of Skip-Lot Sampling Inspection Plans by Attributes Based on Bayesian Methodology (with D. Rajalakshmi and R. Vijayaraghavan) – Research & Reviews Journal of Statistics – Special Issue on Recent Statistical Methodologies and Applications (**Edited by Satyanshu K. Upadhyay, Umesh Singh and A. Loganathan**), Vol.2, page 43-49, 2014.

ANNEXURE IV

List of Books and Chapters Authored/Edited

1. Member, Editorial Board for the Volume entitled, 'Contributions to Statistical Research' published by Publication Division, Manonmaniam Sundaranar University during 2005.
2. One of the Editors for the Volume entitled, 'Higher Education: Its Social Relevance' published by Publication Division, Manonmaniam Sundaranar University during 2007.
3. One of the Editors for the Volume entitled, 'Recent Trends in Statistical Research' published by Publication Division, Manonmaniam Sundaranar University during 2010. (ISBN: 978-81-908352-8-2).
4. One of the Editors for the Volume entitled, 'Recent Trends in Statistics and Computer Applications' published by Publication Division, Manonmaniam Sundaranar University during 2011. (ISBN: 978-93-81402-12-2).
5. One of the Editors for the Volume entitled, 'New Methodology in Statistical Research' published by Publication Division, Manonmaniam Sundaranar University during 2012. (ISBN: 978-93-81402-29-9).
6. One of the Editors for the Volume entitled, "Research & Reviews Journal of Statistics [RRJoS] – Special Issue Volume 1, 2014 on Recent Statistical Methodologies and Applications" published by STM Journals during 2014. (ISSN:2278 – 2273).
7. One of the Editors for the Volume entitled, "Research & Reviews Journal of Statistics [RRJoS] – Special Issue Volume 2, 2014 on Recent Statistical Methodologies and Applications" published by STM Journals during 2014. (ISSN:2278 – 2273).
8. One of the Editors for the Volume entitled, "Current Trends in Bayesian Methodology With Applications" Published by, CRC Press Taylor & Francis Group, A Chapman & Hall Book, during 07-04-2015. (ISBN:978-1-4822-3511-1).
9. Domain Expert for the Text Book on STATISTICS for Higher Secondary First Year prepared by SCERT, Govt. of Tamil Nadu.
10. Domain Expert for the Text Book on STATISTICS for Higher Secondary Second Year prepared by SCERT, Govt. of Tamil Nadu.
11. A Chapter in the book "Performance Prediction and Fuzzy, Reliability and Queuing Models – Theory and Applications" (Edited by Kusum Deep, Madhu Jain and Said Salhi), published by Springer Nature Singapore Pvt. Ltd, during 2019. (ISSN: 2522-5162, ISBN: 978-981-13-0856-7).

ANNEXURE V

Details of Invited Talks Delivered

1. Delivered Lecture on ‘Applications of Acceptance Sampling in Industries’ and ‘Reliability Sampling Concepts’ in the One day seminar on ‘Statistics and its Applications in Engineering’ organized by the Department of Mathematics, Periyar Maniammai University, Vallam, Thanjavur held on 18-04-2012.
2. Delivered Lecture on ‘Application of Bayesian Methods in Industries’ in the One day National Level Seminar on ‘Mathematical and Computational Bayesian Statistical Modeling in Decision Making’ organized by the Department of Computer Science and Engineering, Kongu Engineering College, Perundurai, Erode held on 21-10-2013.
3. Delivered Lecture on ‘Regression analysis & Forecasting Models’ at VIT Business School, VIT University, Vellore on 25-04-2014.
4. Delivered Lecture on ‘Research Designs’ in the Three day National Workshop on Funded Projects: Winning Strategies for Preparing Proposal and Impressive Presentation at Department of Education (DD&CE), Manonmaniam Sundaranar University, Tirunelveli during 19-21 November, 2014.
5. Delivered Lecture entitled “Determination of Bayesian Reliability Sampling Plans under the Conditions of Maxwell-Inverse Rayleigh Distribution” in the National Conference on Emerging Trends in Statistical Research: Issues and Challenges (NCETSR 2015) at Department of Statistics, Ramanujan School of Mathematical Sciences, Pondichery University, Puducherry on 17-02-2015.
6. Delivered an Invited Talk on “Construction and Selection of Bayesian Reliability Sampling Plans under the Conditions of Maxwell Distribution” in the International Conference on New Horizons in Statistical Modeling and Applications at Department of Statistics, Presidency College, Chennai during February 27-28, 2015.
7. Delivered an Invited Talk on “Tests of Significance” in the State level Workshop on Statistical Methods and Applications held at Department of Statistics, G.Venkataswamy Naidu College, Kovilpatti on 08-02-2016.
8. Delivered Special Lecture on “Regression Model and its Analysis” in the National Conference on Advances in Applied Mathematics Sciences NCAAMS-2K16 held at Cauvery College for Women, Annamalai Nagar, Tiruchirapalli during August 12-13, 2016.

9. Delivered Special Lecture on “Statistical Methods in Research” to the research scholars of the Department of Mathematics held at Sri Vasavi College, Erode on 09-11-2016.
10. Delivered Special Lecture on “Computational Packages for Statistical Data Analysis” to the research scholars of the Department of Mathematics held at Sri Vasavi College, Erode on 11-11-2016.
11. Delivered an Invited Talk on “On Designing Bayesian Reliability Sampling Plans Using Predictive Distributions” in National Conference on Present Scenario in Statistical Research & Applications – 2017 (NCPSSRA-2017) held at Department of Statistics, PSG College of Arts & Science, Coimbatore during February 10 & 11, 2017.
12. Delivered a Guest Lecture on “Exponentiated Exponential Distributions” held at PG and Research Department of Statistics, Salem Sowdeswari College, Salem during April 5 & 7, 2017.
13. Delivered an Invited Talk on “A New Lifetime Compounding Distribution by Series and Parallel Structures” in the International Conference on Theory and Applications of Statistics and Information Sciences (TASIS - 2018) held at Department of Statistics, Bharathiyar University, Coimbatore during January 5 – 7, 2018.
14. Delivered a Special Guest Lecture on “Statistical Inference” held at Department of Statistics, Periyar University, Salem on 06-03-2018
15. Delivered an Invited Talk on “ Weibull – Geometric – Geometric Distribution and its Properties” in the National Conference on Recent Trends in Statistics (NCRTS – 2018) held at PG and Research Department of Statistics, Salem Sowdeswari College, Salem during September 14 & 15, 2018.
16. Delivered an Invited talk on “Posterior Predictive Distribution for Designing Bayesian Reliability Sampling Plans” in the International Conference on Advances in Statistical Methods and Data Science Organized by the Department of Statistics, University of Madras, Chennai during December 21 & 22, 2018.
17. Delivered an Invited lecture on “Applications of Posterior Predictive Distribution in Designing Sampling Plans” in DST Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi on January 29, 2019.
18. Delivered an Invited lecture on “Regression Models in Biological Research” in Dr. NGP Arts and Science College, Coimbatore on February 08, 2019.
19. Delivered an Invited lecture on “Advanced Methods of Statistical Inference” in Department of Statistics, Periyar University, Salem on February 18, 2019.

20. Delivered an Invited lecture on “Design and Evaluation of Bayesian Reliability Sampling Plans for Exponential Distribution” in the VII National Seminar on Optimization, Inference, Sampling Techniques Organized by Aligarh Muslim University, Aligarh during March 09 & 10, 2019.
21. Delivered an Invited lecture on “Bayesian Methods” in Department of Statistics, Bharathiar University, Coimbatore on March 28, 2019.
22. Delivered a talk on “Logistic Regression Model for Software Reliability using Environmental Factors” in National Workshop on New Trends on Stochastic Processes, SQC & Reliability using R Programming (NTSPQCR 2019) Organized by Annamalai University during 11 – 12 July 2019.
23. Delivered a keynote talk on “Software Reliability Analysis using environmental factors” in National Conference on Recent Trends in Basic and Applied Sciences (NCRTBAS’2020) Organized by Dr. N. G. P Arts and Science College during March 02-03, 2020
24. Delivered an Invited lecture on “Statistical Methods for Software Reliability Studies Using Environmental Factors” in Department of Statistics, PSG College of Arts and Science, Coimbatore on 03.03.2020
25. Lecture programme through Online on “Distribution of Function of Random Variables” Organized by UGC-Human Resource development Centre, Bharathiar University, Coimbatore on 08.12.2020
26. Delivered an Invited lecture on “Distribution Theory” in Department of Statistics, University of Madras, Chennai on 12.10.2020.
27. Delivered an Invited lecture on “Testing Statistical Hypothesis” in Department of Statistics, University of Madras, Chennai on 17.10.2020.
28. Served as Resource Person and delivered a lecture on “Methods for solving problems in Probability Distributions” in the course on Statistical Computing with R Programming Organized by Department of Statistics, under the Skill Development Centre, BEICH-RUSA 2.0, Bharathiar University, Coimbatore on February 09-16, 2021.
29. Served as Resource Person for the session on “Advanced Statistical Methods and Applications” in the Research Methodology Course for M.Phil./Ph.D./PDF Research scholars in Social Sciences Conducted by Department of Population Studies, Annamalai University on 22.02.2021
30. Delivered an Invited Talk on “Design and Evaluation of Life Test Based Multiple Dependent State Repetitive Group Sampling Plans for Exponentiated Rayleigh

Distribution” in the Fifth International Webinar on Recent Trends In Statistical Theory and Application at WSTA, during June 29- July 02, 2021.

31. Served Chairperson for the Session”Bayesian Analysis” in Internation Conference and Data Science In Conjunction with 40th Annual Convention of Indian Society for Probability for Probability & Statistics (ISPS), September, 7-10, 2021
32. Served Chairperson for the Session in Fifth International Webinar on Recent Trends In Statistics Theory and Application at WSTA, during June 29- July 02, 2021.
33. Delivered an Invited Talk on “**Software Reliability Study Using Environmental Factors**” in Seventh International Conference on Statistics for Twenty-first Century-2021 on University of Kerala, Trivandrum, during December 15-19, 2021.
34. Delivered invited talk on “**Behavioural Analysis of Sampling Plans for Exponentiated Lifetime Distribution**”, in International Virtual Conference on Statistics and Data Science: Theory and Practice for Progress and Prosperity, organized jointly by Department of Statistics, University College of Science, Osmania University, Hyderabad and Indian Society for Probability and Statistics, during 11-13, March-2022.
35. Delivered invited talk on “ Statistical Methods for Decision Making” in In-service Teacher Training Program held at Rani Anna Government College for Women, Tirunelveli on May, 06, 2022.
36. Delivered invited talk on “Bayesian Methodology for Designing Reliability Sampling Plans” in National Seminar On Statistical Theory & Applications, organized by the Department of Statistics, Madars Christian College (Autonomous), Chennai on May, 13,2022.
37. Delivered invited talk on “ Bayes Theorem and its Applications” in Seminar on Applications in Statistics, organized by Department of Statistics, Presidency College (Autonomous), Chennai on May 13, 2022.
38. Served as Resource Person and delivered a lecture on “Statistics” in the Refresher Course in Mathematics and Statistics Organized by UGC – HRDC - Bharathiar University, Coimbatore on August 01, 2022.
39. Served as Resource Person and delivered a lecture on “Distributions of Functions of Random Variables” in the Refresher Course in Mathematics and Statistics Organized by UGC – HRDC - Bharathiar University, Coimbatore on August 26, 2023.

ANNEXURE VI

Details of Research Papers Presented in Conferences/Seminars/Symposia

International Level Conferences

1. Presented a paper entitled, 'Bayes Estimates of Parameters in Finite Mixture Distributions' (with M.Rajagopalan) in Indo-US Workshop on Bayesian Analysis in Statistics and Econometrics organized by Indian Statistical Institute, India and Ohio State University, USA held at Hotel Taj Residency, Bangalore during December 19-23, 1988.
2. Presented a paper entitled, 'An Algorithm to Bayesian Clustering Rule' (with S.Kunte) in International Conference on Statistical Inference, Combinatorics and Related Fields held at Banaras Hindu University, Varanasi during December 18-21, 1997.
3. Presented a paper entitled, 'Bayesian Estimation of Parameters in Weibull Mixtures' in Fourth International Triennial Calcutta Symposium on Probability and Statistics held at Department of Statistics, Calcutta University, Calcutta, during December 26-28, 2000.
4. Presented a paper entitled, 'A Comparison of Two Algorithms to Obtain Bayes Estimates of Mixing Proportions in Normal Mixtures' in International Conference on Statistical Inference and Reliability to honour Prof.J.V.Deshponde, The XXI Annual Conference of the Indian Society for Probability and Statistics and Annual Conference of Indian Chapter of International Society for Bayesian Analysis held at Department of Statistics, Panjab University, Chandigarh during December 21-24, 2001.
5. Presented a paper entitled, 'A Study on the Behaviour of Operating Characteristic Curves of Sampling Plans Based on Polya Distribution' (with R.Vijayaraghavan and K.Rajagopal) in International Conference on Bayesian Statistics and Applications, held at Banaras Hindu University, Varanasi during January 6-8, 2005.
6. Presented a paper entitled, 'Analysis of Operating Characteristic Curves of Gamma-Poisson Sampling Plans' (with R.Vijayaraghavan and K.Rajagopal) in International Conference on Bayesian Statistics and Applications held at Banaras Hindu University, Varanasi during January 6-8, 2005.
7. Presented a paper entitled, 'An Empirical Study of Operating Characteristic Curves of Beta-Binomial Sampling Plans' (with R.Vijayaraghavan and K.Rajagopal) in International Conference on Bayesian Statistics and Applications, held at Banaras Hindu University, Varanasi during January 6-8, 2005.

8. Presented a paper entitled, 'Selecting Optimum Single Sampling Plans by Attributes using *MAPLE*' (with R.Vijayaraghavan and K.Rajagopal) in Sixth International Triennial Calcutta Symposium on Probability and Statistics held at Department of Statistics, Calcutta University, Calcutta during December 29-31, 2006.
9. Presented a paper entitled, 'Designing Single Sampling Plans by Variables Using Predictive Distribution' (with R.Vijayaraghavan and K.Rajagopal) in International Conference on Present Practices and Future Trends in Quality and Reliability held at Indian Statistical Institute, Kolkata during January 22-25, 2008.
10. Presented a paper entitled, 'An Empirical Study on the Behaviour of Operating Characteristic Curves of Unknown- σ Single Sampling Plans using Predictive Distribution' (with R.Vijayaraghavan and K.Rajagopal) in International Conference on Present Practices and Future Trends in Quality and Reliability held at Indian Statistical Institute, Kolkata during January 22-25, 2008.
11. Presented a paper entitled, 'Bayesian Single Sampling Plans by Variable for Normal Population When σ is Known' (with R.Vijayaraghavan and K.Rajagopal) in International Conference on Present Practices and Future Trends in Quality and Reliability held at Indian Statistical Institute, Kolkata during January 22-25, 2008.
12. Presented a paper entitled, 'Selection of Modified Lot Sensitive Sampling Inspection Plans for Isolated Lots with Small Acceptance Numbers' (with D.Rajalakshmi and R.Vijayaraghavan) in International Conference on Recent Trends in Applied Stochastic Methods held at Madurai Kamaraj University, Madurai during 16-18 December 2008.
13. Presented a paper entitled, 'Determination of Single Sampling Plan for Heterogeneous Lots' (with P.Muthu Krishnan and M.Saral), in International Conference on Statistics, Probability, Operation Research, Computer Sciences and Allied areas, held at Andhra University, Vishakapatnam during Jan 4-8, 2010.
14. Presented a paper entitled, 'Determination of Single Sampling Plans by Attributes under the Conditions of Zero-inflated Poisson distribution' (with K.Shalini), in International Conference on Statistics, Probability, Operation Research, Computer Sciences and Allied areas, held at Andhra University, Vishakapatnam during Jan 4-8, 2010.
15. Presented a paper entitled, 'Selection of Minimum Sample Size Tightened Normal – Tightened Sampling Inspection Schemes' (with R.Vijayaraghavan and D.Rajalakshmi), in International Conference on Statistics, Probability, Operation Research, Computer Sciences and Allied areas, held at Andhra University, Vishakapatnam during Jan 4-8, 2010.
16. Presented a paper entitled, 'Bayesian Reliability Sampling Plans under the Conditions of Rayleigh–Inverse–Rayleigh Distribution' (with S.Kalaiselvi), in

International Conference on Statistics, Probability, Operation Research, Computer Sciences and Allied areas, held at Andhra University, Vishakapatnam during Jan 4-8, 2010.

17. Presented a paper entitled, 'Life Test Based Single Sampling Plans – A Bayesian Approach', in International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-informatics and Computer Applications, Department of Statistics, Banaras Hindu University, Varanasi during January 5-8, 2011.
18. Presented a paper entitled, 'Determination of Single Sampling Plan by Attributed under the Conditions of a Mixture of Two Poisson Distributions' (with P. Muthu Krishnan, R. Vijayaraghavan and M. Saral), in International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-informatics and Computer Applications, Department of Statistics, Banaras Hindu University, Varanasi during January 5-8, 2011.
19. Presented a paper entitled, 'Selection of Skip-lot Sampling Inspection Plans with Repetitive Group Sampling Plan as the Reference Plan' (with R. Vijayaraghavan and D. Rajalakshmi), in International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-informatics and Computer Applications, Department of Statistics, Banaras Hindu University, Varanasi during January 5-8, 2011.
20. Presented a paper entitled, 'Empirical Analysis of the Operating Characteristic Curve of Single Sampling Plans by Attributes for Heterogeneous Lots' (with M. Saral, R. Vijayaraghavan and P. Muthu Krishnan), in International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-informatics and Computer Applications, Department of Statistics, Banaras Hindu University, Varanasi during January 5-8, 2011.
21. Presented a paper entitled, 'Designing Attributed Single Sampling Plans with Effects of Inspection Errors' (with K. Rajagopal and R. Vijayaraghavan), in International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-informatics and Computer Applications, Department of Statistics, Banaras Hindu University, Varanasi during January 5-8, 2011.
22. Presented a paper entitled, 'Designing Bayesian Reliability Single Sampling Plans using R' (with S. Kalaiselvi), in International Conference on New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-Statistics, Bio-informatics and Computer Applications, Department of Statistics, Banaras Hindu University, Varanasi during January 5-8, 2011.
23. Presented a paper entitled, 'Selection of Skip-lot Sampling Inspection Plans by Variables' (jointly with R. Vijayaraghavan and D. Rajalakshmi) in International Conference on Statistics, Probability and Related Areas held at Department of

Statistics, Cochin University of Science and Technology, Cochin during December 19-22, 2011.

24. Presented a paper entitled, 'A study on the Construction and Selection of Bayesian Reliability Sampling Plans under the Conditions of Exponential Distribution', in International Workshop/Conference on Bayesian Theory and Applications, DST-CIMS and Department of Statistics, Banaras Hindu University, Varanasi during January 6-10, 2013.
25. Presented a paper entitled, 'Designing Re-sampling Schemes Using Bayesian Methodology (with K. Rajagopal and R. Vijayaraghavan), in International Workshop/Conference on Bayesian Theory and Applications, DST-CIMS and Department of Statistics, Banaras Hindu University, Varanasi during January 6-10, 2013.
26. Presented a paper entitled, 'Evaluation of Skip-lot Sampling Inspection Plans by Attributes based on Bayesian Methodology (with D. Rajalakshmi and R. Vijayaraghavan), in International Workshop/Conference on Bayesian Theory and Applications, DST-CIMS and Department of Statistics, Banaras Hindu University, Varanasi during January 6-10, 2013.
27. Presented a paper entitled, 'Determination of Bayesian Life Test Sampling Plans Based on Maxwell-Square Root Inverted Gamma Distribution (with P. Muthu Krishnan, S. Kalaiselvi and S. Mari Chelvi), in International Workshop/Conference on Bayesian Theory and Applications, DST-CIMS and Department of Statistics, Banaras Hindu University, Varanasi during January 6-10, 2013.
28. Presented a paper entitled, 'Design and Evaluation of Bayesian Single Sampling Plans by Attributes for Non-homogeneous Lots (with M Saral, P. Muthu Krishnan and A. Pradeepa), in International Workshop/Conference on Bayesian Theory and Applications, DST-CIMS and Department of Statistics, Banaras Hindu University, Varanasi during January 6-10, 2013.
29. Presented a paper entitled, 'Bayesian Single Sampling Plans by Attributes under the Condition of Zero-inflated Poisson Distribution (with K. Shalini and N. Kavitha), in International Workshop/Conference on Bayesian Theory and Applications, DST-CIMS and Department of Statistics, Banaras Hindu University, Varanasi during January 6-10, 2013.
30. Presented a paper entitled, ' Designing of Accelerated Life based Bayesian Reliability Sampling Plans under Rayleigh Lifetime Model' (with S. Kalaiselvi) in International Conference on New Horizons in Statistical Modeling and Applications at Department of Statistics, Presidency College, Chennai during February 27-28, 2015.

31. Presented a paper entitled, 'Determination of Reliability Single Sampling Plans based on Exponentiated Type Distributions' (with M. Gunasekaran) in Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2016 – FIM XXV) held at Department of Mathematics and Statistics, Manipal University, Jaipur during December 22-24, 2016.
32. Presented a paper entitled, 'Software Reliability Environmental Factors Exploration Using Principal Component Analysis' (with R. Jeromia Muthuraj) in Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2016 – FIM XXV) held at Department of Mathematics and Statistics, Manipal University, Jaipur during December 22-24, 2016.
33. Presented a paper entitled, 'Design of Reliability Single Sampling Plan by Attributes based on Exponentiated Exponential Distribution' (with M. Gunasekaran) in International Conference on Recent Trends in Operation Research and Statistics (RTORS-2017) held at Department of Mathematics, IIT Roorkee, Roorkee during December 28 – 30, 2017.
34. Presented a paper entitled, 'Design of Multiple Dependent State Repetitive Group Sampling Plans based on Exponentiated Exponential Distribution' (with M. Gunasekaran) in International Conference on Theory and Applications of Statistics and Information Sciences (TASIS – 2018) held at Department of Statistics, Bharathiyar University, Coimbatore during January 5 – 7, 2018.
35. Presented a paper entitled, 'Principal Components of Environmental Factors in Software Reliability Studies (with R. Jeromiah Muthuraj) in International Conference on Theory and Applications of Statistics and Information Sciences (TASIS – 2018) held at Department of Statistics, Bharathiyar University, Coimbatore during January 5 – 7, 2018.
36. Presented a paper entitled, 'Software Reliability with Logistic Regression Model' (with R. Jeromiah Muthuraj) in International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA-2018) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 8 & 9, 2018.
37. Presented a paper entitled, 'Construction of Multiple Dependent State Repetitive Group Reliability Sampling Plans based on Exponentiated Rayleigh Distribution' (with M. Gunasekaran) in International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA-2018) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 8 & 9, 2018.
38. Presented a paper entitled, 'Bayes Estimation of Reliability Characteristics of Inverse Maxwell Distribution using Type-II Censored Data' (with S. Mari Chelci) in

International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA-2018) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 8 & 9, 2018.

39. Presented a paper entitled, 'Performance Comparison of Maximum Product Spacing Method in Inverse Weibull Distribution' (with M. Uma) in International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA-2018) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 8 & 9, 2018.
40. Presented a paper entitled, 'Construction of Multiple Dependent State Sampling Plans based on Exponentiated Exponential Distribution' (with P. Sumithra & M. Gunasekaran) in International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA-2018) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 8 & 9, 2018.
41. Presented a paper entitled, 'Time Series Modeling for Air Quality Index and Forecasting'(with P.Sumithra) in **International Conference (Virtual Mode) on Emerging Trends In Statistics and Data Science In Conjunction With 40th Annual Convention Of Indian Society For Probability & Statistics (Isps)** held on September 7-10, 2021
42. Presented a paper entitled, 'Market PotentialAnalyst Web Application Developers Among Independent Software Vendors'(with Aabhilash N Madhavan) in **International Conference (Virtual Mode) on Emerging Trends In Statistics and Data Science In Conjunction With 40th Annual Convention Of Indian Society for Probability & Statistics (Isps)** held on September 7-10, 2021.
43. Presented a paper entitled, 'On Procedure for Estimation of Missing Observation in Time Series'(with P. Sumithra) in **XV Biennial Virtual Conference of International Biometric Society- Indian Region In National Institute for Research in Tuberculosis, Chennai (ICMR)** held on November 16-17, 2021.
44. Presented a paper entitled,, "Time Series Analysis of Air Quality Index in Chennai" (with P. Sumithra) in International Conference on Advances in statistical Methods and Applications(ICASMA-2022)" Organized by Department of Statistics, University of Madras held on January 24-25-2022.
45. Presented a paper entitled, "Design of Multiple Dependent State Repetitive Group Reliability Sampling Plans- A Bayesian Approach" (with M. Gunasekaran) in International Conference on Recent Trends In Stochastic Modelling and Its Applications (ICRTSMA-2022), Organized by Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during June 24-25, 2022.
46. Presented a paper entitled, "Multi-Stage Principal Component Analysis for Software Reliability" (with R. Jeromia Muthuraj) in International Conference on Recent

Trends In Stochastic Modelling and Its Applications (ICRTSMA-2022), Organized by Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during June 24-25, 2022.

47. Presented a paper entitled, “Estimation of Parameter of Inverse Maxwell Distribution using Progressively Type-II Censored Sample” (with S. Mari Chelvi) in International Conference on Recent Trends In Stochastic Modelling and Its Applications (ICRTSMA-2022), Organized by Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during June 24-25, 2022.
48. Presented a paper entitled, “Markov Chain Model for Forecasting Changing Behaviour of Air Quality Index in Chennai” (with P. Sumithra) in International Conference on Recent Trends In Stochastic Modelling and Its Applications (ICRTSMA-2022), Organized by Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during June 24-25, 2022.
49. Presented a paper entitled, “Estimation of Air Quality Index using NuralProphet” (with P. Sumithra) in the International Conference on Recent Trends In Stochastic Modelling and Its Applications (ICRTSMA2023) organized by Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during June 15&17, 2023.

National Level Conferences

1. Presented a paper entitled, ‘Bayes Estimates of Mixing Proportions in Finite Mixture Distributions’ (with M.Rajagopalan) in 76th Indian Science Congress Association held at Madurai Kamaraj University, Madurai during January 7-12, 1989.
2. Presented a paper entitled, ‘Bayes Estimates of Mixing Proportions in Finite Mixtures’ (with M.Rajagopalan) in 77th Indian Science Congress Association held at Cochin University of Science and Technology, Cochin during February 4-9, 1990.
3. Presented a paper entitled, ‘Bayesian Estimation of Parameters in Finite Mixture Distributions’ (with M.Rajagopalan) in National Symposium on Statistical Methodology and New Applications held at Bangalore University, Bangalore during January 29-31, 1994.
4. Presented a paper entitled, ‘Bayes Estimates of Parameters in Finite Mixture of Exponential Distributions’ (with M.Rajagopalan) in XVI Annual Conference of the Indian Society for Probability and Statistics held at Osmania University, Hyderabad during December 18-21, 1995.
5. Presented a paper entitled, ‘Bayesian Estimation of Survival Function of a Mixture of Exponential Populations’ (with M.Rajagopalan) in First Annual Conference of the Indian Society of Information Theory and Its Applications and National Symposium

on Stochastic Processes and Their Applications held at Maharshi Dayanand University, Rohtak, Haryana, February 3-5, 1996.

6. Presented a paper entitled, 'Estimation of Survival Function in Weibull Mixtures' in Second Annual Conference of the Indian Society of Information Theory and Its Applications and National Symposium in Statistics with Focus on Applications in Agriculture and Allied Sciences held at CCS Haryana Agricultural University, Hissar, Haryana during February 7-9, 1997.
7. Presented a paper entitled, 'Bayesian Estimation of Mixing Proportion in Normal Mixtures' in National Seminar on Bayesian Analysis – Theory and Applications held at Amravati University, Amravati, Maharashtra during January 16-18, 1999.
8. Presented a paper entitled, 'A Cluster Analysis Solution to the Bayesian Estimation of Parameters in the Exponential Mixtures' in Third Annual Conference of the Indian Society of Information Theory and Its Applications and National Symposium on Management Science and Statistics held at Guru Nanak Dev University, Amritsar, Punjab during February 12-14, 1999.
9. Presented a paper entitled, 'An Algorithm for Bayesian Clustering Rule' in Seminar on Statistics in Honour of Prof.M.Rajagopalan held at Salem Sowdeswari College, Salem on October 22, 1999.
10. Presented a paper entitled, 'A Note on Bayesian Estimation of Mixing Proportions in Finite Mixture Distributions' in National Conference on Statistics and its Applications held at Hotel Femina, Tiruchirapalli on December 12, 1999.
11. Presented a paper entitled, 'A New Algorithm to Bayesian Clustering Rule' in National Symposium on Statistical Methods and Applications held at Annamalai University, Annamalai Nagar during March 15-16, 2002.
12. Presented a paper entitled, 'A Procedure for Selection of Gamma-Poisson Single Sampling Plans by Attributes – Computer Programs' (with R.Vijayaraghavan and K.Rajagopal) in XXV Annual Conference of the Indian Society for Probability and Statistics Annual Meeting of Indian Bayesian Society held at Bangalore University, Bangalore during 28-30, 2005.
13. Presented a paper entitled, 'A Procedure for Designing Polya Single Sampling Plans by Attributes –Computer Programs' (with R.Vijayaraghavan and K.Rajagopal) in National Seminar on Statistical Models and Methods for Data Analysis held at Annamalai University, Annamalai Nagar during March 8-9, 2006.
14. Presented a paper entitled, 'Selection of Gamma-Poisson Single Sampling Plans by Attributes Indexed by AQL and LQL' (with R.Vijayaraghavan and K.Rajagopal) in National Conference on Recent Trends in Statistical Methodologies held at Presidency College, Chennai during March 16-17, 2006.

15. Presented a paper entitled, 'Single Sampling Plans by Variables for Exponential Population –A Predictive Distribution Approach' (with R.Vijayaraghavan and K.Rajagopal) in UGC Sponsored National Conference on Recent Trends in the Application of Mathematics and Statistics with Reference to Physical and Social Sciences held at Sri Vasavi College, Erode during March 23-24, 2007.
16. Presented a paper entitled, 'Designing Single Sampling Plans by Attributes Based on Exponential Distribution – A Bayesian Approach' (with S.Kalaiselvi) in Eleventh Annual Conference of Society of Statistics, Computer and Applications held at University of Madras, Chennai during February 24-26, 2009.
17. Presented a paper entitled, 'Selection of Repetitive Group Sampling Plans' (with R.Vijayaraghavan and D.Rajalakshmi) in Eleventh Annual Conference of Society of Statistics, Computer and Applications held at University of Madras, Chennai during February 24-26, 2009.
18. Presented a paper entitled, 'Reliability Sampling Plan based on Maxwell-Inverse Rayleigh Distribution- A Bayesian Approach' (with S.Kalaiselvi) in National Workshop on Bayesian Statistics and MCMC Methods using BUGS & R held at Department of Statistics, St.Thomas College, Pala, Kerala during June 26-30, 2009.
19. Presented a paper entitled, 'Determination of Single Sampling Plans by attributes under the Conditions of Zero Inflated Poisson – Gamma Distribution' (with M.Saral and P.Muthukrishnan) in National Workshop on Bayesian Statistics and MCMC Methods using BUGS & R held at Department of Statistics, St.Thomas College, Pala, Kerala during June 26-30, 2009.
20. Presented a paper entitled, 'Bayesian Estimation of Parameters in Zero Inflated Poisson Distribution' (with D.Rajalakshmi, A.Pradeepa and K.Shalini) in National Workshop on Bayesian Statistics and MCMC Methods using BUGS & R held at Department of Statistics, St.Thomas College, Pala, Kerala during June 26-30, 2009.
21. Presented a paper entitled, 'Importance of Academic Audit Committee for Accreditation and Reaccreditation' in State level Seminar on Quality Benchmarks for Academic Auditing held at Sri Parasakthi College for Women, Courtallam, Tirunelveli on March 18, 2010.
22. Presented a paper entitled, 'Determination of Single Sampling Plans by Attributes Under the Conditions of Zero-Inflated Poisson Distribution' (with K.Shalini) in National Conference on Recent Trends in Statistical Research held in Manonmaniam Sundaranar University, Tirunelveli during February 24-25, 2010.
23. Presented a paper entitled, 'Evaluation of Skip-lot Sampling Inspection Plans with Repetitive Group Sampling Plan as the Reference Plan' (with D.Rajalakshmi and R.Vijayaraghavan), in National Conference on Recent Trends in Statistical Research

held in Manonmaniam Sundaranar University, Tirunelveli during February 24-25, 2010.

24. Presented a paper entitled, 'A Review on Bayesian Single Sampling Plans' (with K.Rajagopal and R.Vijayaraghavan), in National Conference on Recent Trends in Statistical Research held in Manonmaniam Sundaranar University, Tirunelveli during February 24-25, 2010.
25. Presented a paper entitled, 'Designing of Bayesian Single Sampling Plans for Weibull- Inverted Gamma Distribution' (with S. Kalaiselvi and R.Vijayaraghavan), in National Conference on Recent Trends in Statistical Research held in Manonmaniam Sundaranar University, Tirunelveli during February 24-25, 2010.
26. Presented a paper entitled 'Otrai Matheriedupu Thetathin Seyalakkappanburu Valaikodugalai Iru Poisson Paravalgalin Kalavai Paravlaia Poruthu Oru Aaivu' (with P.Muthu Krishnan and M.Saral), in Ariviyal Tamil – National Conference in conjunction with Manonmaniam Sundaranar University during October 7-8, 2010.
27. Presented a paper entitled 'Poojiyamigu Poisson Paravalin Keizhlana Ottai Madiriyedupu thittathin seyalaka panpuru valaikodugal meedhana aayivu' (jointly with K.Shalini), in Ariviyal Tamil – Desiya Karuthaarangam, Kanyakumari, Tamil Nadu during October 7-8, 2010.
28. Presented a paper entitled, ' Empirical Study on OC Curve of Single Sampling Plans by Attributed for Heterogeneous Lots' (with M. Saral, P. Muthu Krishnan and R, Vijayaraghavan), in National Conference on Recent Advances in Statistics and Computer Applications held at Department of Statistics, Bharathiar University, Coimbatore during December 21-23, 2010.
29. Presented a paper entitled, 'Determination of Single Sampling Plans by Attributes under the Conditions of Zero inflated Poisson Distribution' (with K. Shalini), in National Conference on Recent Advances in Statistics and Computer Applications held at Department of Statistics, Bharathiar University, Coimbatore during December 21-23, 2010.
30. Presented a paper entitled, ' Reliability Sampling Plans under the Conditions of Rayleigh – Maxwell Distribution – A Bayesian Approach' (with S. Kalaiselvi and R. Vijayaraghavan), in National Conference on Recent Advances in Statistics and Computer Applications held at Department of Statistics, Bharathiar University, Coimbatore during December 21-23, 2010.
31. Presented a paper entitled 'Empirical Analysis of the Operating Characteristic Function of the Single Sampling Plan under the Conditions of a Mixture of Two Poisson Distributions' (with R.Vijayaraghavan, P.Muthu Krishnan and M.Saral), in National Conference on Recent Trends in Statistics and Computer Applications,

Department of Statistics, Manonmiam Sundaranar University, Tirunelveli during March 25-26, 2011.

32. Presented a paper entitled 'Determination of Single Sampling Plans by Attributes Under the Conditions of Mixture of Two Binomial Distributions' (with P.Muthu Krishnan and M.Saral), in National Conference on Recent Trends in Statistics and Computer Applications, Department of Statistics, Manonmiam Sundaranar University, Tirunelveli during March 25-26, 2011.
33. Presented a paper entitled 'A study on OC Curves of Reliability Sampling Plans under the Conditions of Rayleigh – inverse – Rayleigh Distribution' (with R.Vijayaraghavan, and S.Kalaiselvi), in National Conference on Recent Trends in Statistics and Computer Applications, Department of Statistics, Manonmiam Sundaranar University, Tirunelveli during March 25-26, 2011.
34. Presented a paper entitled 'Analysis of Operating Characteristic Curves of Zero-Inflated Poisson Sampling Plans' (with K.Shalini), in National Conference on Recent Trends in Statistics and Computer Applications, Department of Statistics, Manonmiam Sundaranar University, Tirunelveli during March 25-26, 2011.
35. Presented a paper entitled 'A Procedure for Selection of Skip-lot Double Sampling Inspection Plans' (with D.Rajalakshmi and R.Vijayaraghavan), in National Conference on Recent Trends in Statistics and Computer Applications, Department of Statistics, Manonmiam Sundaranar University, Tirunelveli during March 25-26, 2011.
36. Presented a paper entitled 'Selection of Bayesian Single Sampling Plans in the Presence of Inspection Error' (with R.Vijayaraghavan, and K.Rajagopal), in National Conference on Recent Trends in Statistics and Computer Applications, Department of Statistics, Manonmiam Sundaranar University, Tirunelveli during March 25-26, 2011.
37. Presented a paper entitled, 'Selection of Re-sampling Schemes with Single Sampling Plan as the Reference Plan under the Conditions of Polya Distribution' (jointly with K. Rajagopal and R. Vijayaraghavan), in National Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.
38. Presented a paper entitled, 'A Procedure for Designing Re-sampling Schemes under the Conditions of Gamma – Poisson Distribution' (jointly with K. Rajagopal and R. Vijayaraghavan), in National Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.
39. Presented a paper entitled, 'Bayesian Skip-lot Sampling Inspection Plans by Attributes' (jointly with D. Rajalakshmi and R. Vijayaraghavan), in National

Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.

40. Presented a paper entitled, 'Designing Bayesian Reliability Sampling Plans under Exponential–Inverted Gamma Distribution' (jointly with P. Muthu Krishnan, and S. Kalaiselvi), in National Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.
41. Presented a paper entitled, 'Analysis of the Operating Characteristic Curve of Bayesian Single Sampling Plans by Attributes for Non – Homogeneous Lots' (jointly with M. Saral, R. Vijayaraghavan and P. Muthu Krishnan), in National Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.
42. Presented a paper entitled, 'Determination of Bayesian Single Sampling Plans by attributes under the conditions of zero-inflated Poisson distribution' (jointly with K. Shalini), in National Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.
43. Presented a paper entitled, 'Recent Development in Designing Bayesian Reliability Sampling Plans – An Overview' (jointly with S. Kalaiselvi and R. Vijayaraghavan), in National Conference on Bayesian Statistics and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during November 9-10, 2011.
44. Presented a paper entitled, 'Bayesian Reliability Sampling Plans for Maxwell – inverted Gamma Distribution' (jointly with P. Muthu Krishnan), in National Conference on Bayesian Statistics & Its Emerging Applications (BSEA) held at DST – Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi during December 9-10, 2011.
45. Presented a paper entitled, 'Empirical Analysis of the Operating Characteristic Curve of Bayesian Single Sampling Plans by Attributes for Heterogeneous Lots' (jointly with M. Saral, R. Vijayaraghavan and P. Muthu Krishnan), in National Conference on Bayesian Statistics & Its Emerging Applications (BSEA) held at DST – Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi during December 9-10, 2011.
46. Presented a paper entitled, 'Analysis of Operating Characteristics Curves of Bayesian Single Sampling Plan under the conditions of zero-inflated Poisson distribution' (jointly with K. Shalini), in National Conference on Bayesian Statistics & Its Emerging Applications (BSEA) held at DST – Centre for Interdisciplinary

Mathematical Sciences, Banaras Hindu University, Varanasi during December 9-10, 2011.

47. Presented a paper entitled, 'A Procedure for Selection of SkSP-3 with Double Sampling Inspection Plan as the Reference Plan' (jointly with D. Rajalakshmi and R. Vijayaraghavan), in National conference on Bayesian Statistics & its Emerging Applications (BSEA) held at DST – Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi during December 9-10, 2011.
48. Presented a paper entitled, 'Bayesian Estimation of Parameters in Inverse Maxwell Distribution' (jointly with S. Mari Chelvi), in National Conference on Stochastic Modeling and Its Applications (NCSMA 2017) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 4 & 5, 2017.
49. Presented a paper entitled, 'Designing Reliability Single Sampling Plans based on Exponentiated Rayleigh Distribution' (jointly with M. Gunasekaran), in National Conference on Stochastic Modeling and Its Applications (NCSMA 2017) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 4 & 5, 2017.
50. Presented a paper entitled, 'Dual Principal Component Analysis in Software Reliability Studies' (jointly with R. Jeromia Muthuraj), in National Conference on Stochastic Modeling and Its Applications (NCSMA 2017) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 4 & 5, 2017.
51. Presented a paper entitled, 'Least Square Estimation of Parameters in Inverse Weibull Distribution' (jointly with M. Uma), in National Conference on Stochastic Modeling and Its Applications (NCSMA 2017) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during January 4 & 5, 2017.
52. Presented a paper entitled, 'Determination of Reliability Sampling Plans Based on Exponentiated rayleigh Distribution' (Jointly with M. Gunasekaran), in National Conference on Present Scenario in Statistical Research & Applications – 2017 (NCPSSRA-2017) held at Department of Statistics, PSG College of Arts & Science, Coimbatore during Febuary 10 & 11, 2017.
53. Presented a paper entitled, 'A New Methodology for Data Reduction in Software Reliability Studies' (Jointly with R. Jeromia Muthuraj), in National Conference on Present Scenario in Statistical Research & Applications – 2017 (NCPSSRA-2017) held at Department of Statistics, PSG College of Arts & Science, Coimbatore during Febuary 10 & 11, 2017.
54. Presented a paper entitled, 'Estimation of Parameters in Inverse Weibull Distribution' (Jointly with M. Uma), in National Conference on Present Scenario in Statistical Research & Applications – 2017 (NCPSSRA-2017) held at Department of

Statistics, PSG College of Arts & Science, Coimbatore during February 10 & 11, 2017.

55. Presented a paper entitled, 'Software Reliability with Logistic Growth Model' (Jointly with R. Jeromia Muthuraj), in National Conference on Mathematical Modeling in Applied Sciences, Engineering and Technology held at Department of Mathematics, AET College, Salem on 5th October, 2017.
56. Presented a paper entitled, 'Accelerated Life Test Based Sampling Plans under the conditions of Exponentiated Exponential Distribution' (Jointly with M. Gunasekaran), in National Conference on Recent Trends in Statistics (NCRTS – 2018) held at PG and Research Department of Statistics, Salem Sowdeswari College, Salem during September 14 & 15, 2018.
57. Presented a paper entitled, 'Non – Homogeneous Poisson Process with Environmental Factors for Software Reliability' (Jointly with R. Jeromia Muthuraj), in National Conference on Recent Trends in Statistics (NCRTS – 2018) held at PG and Research Department of Statistics, Salem Sowdeswari College, Salem during September 14 & 15, 2018.
58. Presented a paper entitled, "Weibull- Geometric –Geometric Distribution and its Properties" National Conference on Recent Trends in Statistics (NCRTS – 2018) held at PG and Research Department of Statistics, Salem Sowdeswari College, Salem during September 14 & 15, 2018.
59. Presented a paper entitled, " Environmental Factor for Software Reliability Studies" National Conference on Statistical Theory, Modeling and Applications(NCoSTMaA-2019) held at Bharathiar University, Coimbatore on March 14-15,2019.

State Level Conferences

1. Presented a paper entitled, '*Samooga Panbaatil Orey Inathai Saarntha Nellai Mavatta Grama Makkalin Vazhkai Tharam – Oar Pulliyiyal Pahupaaivu*' (with R.Maruthakutti), in 10th Tamil Science Congress held in Manonmaniam Sundaranar University, Trinelveli during May 21-23, 2010.
2. Presented a paper entitled, '*Panbusaar Marunilai Thoguthi Mathiriyedupu Thitangalin Seyalakka Panburu Valaikoduhalai Patriya Aaivu*' (with D. Rajalakshmi and R.Vijayaraghvan), in 10th Tamil Science Congress held in Manonmaniam Sundaranar University, Trinelveli during May 21-23, 2010.
3. Presented a paper entitled, '*Weibull – Thalakeezh Gamma Paravalin Keezh Amaindha Ayulari Sothanai Otrai MathiriyedupuThitathin Panbuhai*' (with S.Kalaiselvi), in 10th Tamil Science Congress held in Manonmaniam Sundaranar University, Trinelveli during May 21-23, 2010.

4. Presented a paper entitled, '*Iru Eyalnilai Paravalhalin Kalavai Paravalai Poruthu Otrai Mathiriyedupu Thitathin Seyalakapanburu Valaikoduhalin Opunokku*' (with P.Muthukrishnan and M.Saral), in 10th Tamil Science Congress held in Manonmaniam Sundaranar University, Trinelvei during May 21-23, 2010.
5. Presented a paper entitled, '*Poisson Paraval Matrum Boojiyamigu Poisson Paravalhalin Keezhana Otrai Mathiriyedupu Thitangalin Opunokku*' (with K.Shalini), in 10th Tamil Science Congress held in Manonmaniam Sundaranar University, Trinelvei during May 21-23, 2010.
6. Presented a paper entitled 'Otrai Matheriedupu Thetathin Seyalakkappanburu Valaikodugalai Iru Poisson Paravalgalin Kalavai Paravalai Poruthu Oru Aaivu' (with P. Muthu Krishnan and M.Saral), in Ariviyal Tamil – National Conference in conjunction with Manonmaniam Sundaranar University during October 7-8, 2010.
7. Presented a paper entitled 'Poojiyamigu Poisson Paravalin Keezhana Otrai Madhiriyedupu thitathin Seyalaka Panbaru Valaikodugal Meedhana Aaivu' (with K. Shalini), in Ariviyal Tamil – National Conference in conjunction with Manonmaniam Sundaranar University during October 7-8, 2010.
8. Presented a paper entitled 'Iru Eeruppu Paravalgalin Kalavai Paravalin Keizh Otrai Matheriyedupu Thettathin Eyakkaviyalbu Valaikodugal Meethane Aaivu' (jointly with M. Saral, P. Muthu Krishnan and A. Pradeepa), in 12th Tamil Science Congress in conjunction with Periyar University during August 23-25, 2012.
9. Presented a paper entitled 'Maxwel – Thalaiheel Gamma Paravalin Keizh Amainthe Otrai Matheriyedupu Thettathin Eyakkaviyalbu Saabin Panbugal Patriya Aaivu' (jointly with P. Muthu Krishnan, S. Kalaiselvi and S. Mari Chelvi), in 12th Tamil Science Congress in conjunction with Periyar University during August 23-25, 2012.
10. Presented a paper entitled 'Gamma-Poojiyamigu Poisson Paravalin Kizh Otrai Madhiriyedupu Thittam Amaithal' (jointly with K. Shalini and N. Kavitha), in 12th Tamil Science Congress in conjunction with Periyar University during August 23-25, 2012.

ANNEXURE VII

Details of Research Projects Carried Out

S.No.	Title of the Project	Funding Agency	Amount	Awarded Year	Completion Year
1.	A Study of Attitudes of Students and Teachers of Manonmaniam Sundaranar University Departments Towards Students Union (Principal Co-ordinator)	UGC UAG Scheme	Rs. 4750	1995	1996
2.	An Attitudinal Study of Internal Assessment System Among the Postgraduate Students and Teachers of Manonmaniam Sundaranar University (Co-ordinator)	UGC UAG Scheme	Rs. 5000	1995	1996
3.	Status of Primary-Middle School Education and Child Labour in Beedi Works in Tirunelveli District (Co-ordinator) (Interdisciplinary Project)	UGC UAG Scheme	Rs. 15000	1995	1997
4.	Sociological Analysis of Crimes (Co-ordinator) (Interdisciplinary Project)	UGC UAG Scheme	Rs. 15000	1995	1999
5.	A Survey on Reading Habits of Students of Manonmaniam Sundaranar University Departments (Co-ordinator)	UGC UAG Scheme	Rs. 12100	1998	1999
6.	A Survey on the Study of Literacy Status of Citizens of Tirunelveli Kattabomman District (Principal Co-ordinator)	UGC UAG Scheme	Rs. 14500	1998	2000
7.	A Statistical Study on the Living Standards of Socio-Culturally Homogenous Villages	Manonmaniam Sundaranar University	Rs.25,000	2009	2010
8.	Bayesian Reliability Sampling Plans for some Life time Distributions	UGC	Rs.6,28,300	2011	2014

ANNEXURE VIII

Training Programmes Attended

Refresher/Orientation Courses

1. Refresher Course in Statistics organized by Indian Statistical Institute, Calcutta during November 14- December 4, 1996.
2. 40th UGC Sponsored Orientation Course organized by Academic Staff College, Bharathiar University, Coimbatore during April 26 – May 23, 2000.
3. Refresher Course in Statistics organized by Indian Statistical Institute, Calcutta during February 27 – March 22, 2001.
4. Exposure Programme on Official Statistics conducted for HoDs/ faculty members of Statistics Department of Indian Universities organized by National Statistical Systems Training Academy, Greater Noida during August 04-08, 2014.

Workshops, Summer/Winter Schools

1. Second Winter School on Analysis of Directional Data organized by Indian Statistical Institute, Calcutta during December 11-16, 1995.
2. Third Winter School on Analysis of Directional Data organized by Indian Statistical Institute, Calcutta at Osmania University, Hyderabad during December 27-31, 1996.
3. Collaborative Research under Young Scientist Fellowship at Department of Statistics, University of Poona, Pune with Prof. S .Kunte during April 1 – July 31, 1997 (Fellowship awarded by Tamil Nadu State Council for Science and Technology, Chennai).
4. Applied Bayesian Workshop on Statistics and Econometrics organized by Indian Statistical Institute, Bangalore during March 04-10, 1999.
5. UGC Sponsored Workshop on Advanced Computer Methods for Statisticians organized by School of Mathematics, Madurai Kamaraj University, Madurai during February 13-14, 2003.
6. Instructional Workshop/Conference on Social Network Analysis organized by Indian Statistical Institute, Calcutta during February 9-15, 2007.
7. Advanced Training Program on Bayesian Statistics and Computation organized by Banaras Hindu University, Varanasi during February 18 – March 01, 2008.

8. Advanced Training Program on Bayesian Statistics: Theory and Applications organized by Banaras Hindu University, Varanasi during December 21-27, 2009.
9. Workshop on Linear Algebra, Estimation Theory and Multivariate Analysis organized by Department of Mathematics, Velammal College of Engineering & Technology, Viraganoor, Madurai on 18-11-2013.
10. Attended one week FDP on Online medium conducted through online platform by Manonmaniam Sundaranar University during July 09-15, 2020.

ANNEXURE IX

Details of Seminars, Conferences, Symposia Organized

1. National Conference on Recent Trends in Statistical Research during February 24 & 25, 2010.
2. National Conference on Recent Trends in Statistics and Computer Applications during March 25 & 26, 2011.
3. UGC Sponsored National Conference on Bayesian Statistics and Its Applications during November 9 & 10, 2011.
4. National Conference on Stochastic Modeling and Its Applications during September 26 - 28, 2012.
5. Workshop on Statistical Software Packages: Workshop for Beginners in Research during March 13 - 15, 2013.
6. Workshop – cum – Seminar on Recent Advancements in Statistical Research during August 1 – 3, 2013.
7. Workshop on High Dimensional Statistical Computations Using R during 21 – 24, 2014.
8. Workshop on Statistics and Its Applications during 7 & 8, 2016.
9. National Conference on Stochastic Modeling and Its Applications (NCSMA – 2017) during January 4 & 5, 2017.
10. International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA 2018) during January 8 & 9, 2018.
11. International Workshop on Recent Trends in Stochastic Modeling and Its Applications during January 11 & 12, 2019.