

CURRICULUM VITAE

C. Satheesh Kumar

Department of Statistics
School of Physical and Mathematical Sciences
University of Kerala
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Academic Qualifications

(All Degrees are from the **University of Kerala**, Trivandrum, India)

1988 - **B.Sc. (Statistics)**; First Class, **First Rank**

1990 - **M.Sc. (Statistics)**; First Class, **First Rank**

1993 - **M.Phil. (Statistics)**; **A – Grade (First Rank)**

1998 - **Ph.D. (Statistics)**

Thesis Title: On Some Contributions to the Study of Discrete Distributions

(Guide: Dr. T.S.K. Moothathu, Former Professor and Head, Department of Statistics, University of Kerala)

Was awarded **Junior Research Fellowship & Senior Research Fellowship** by University Grants Commission (UGC), Govt. of India.

Area of Research Specialization: Statistical Distribution Theory

Areas of Interests: Probability Theory, Stochastic Process, Multivariate Analysis, Marketing Research, Econometrics, Climatology

Academic/Administrative Positions

Professor, Department of Statistics, 2015 Onwards

Director, School of Physical and Mathematical Sciences, University of Kerala, 2021 Onwards

Executive Trustee, Mathematical and Statistical Sciences Trust, India, 2020 Onwards

Chairman, PG Board of Studies in Statistics, University of Kerala, 2016 Onwards

President, Kerala Statistical Association (KSA), 2019 Onwards

Secretary, Indian Society for Probability and Statistics (ISPS), 2023 Onwards

Elected Member, International Statistical Institute, The Netherlands

Executive Committee Member, Indian Society for Probability and Statistics (ISPS), 2020 Onwards

Member, Standardization Committee of Statisticians, Commissioner of Entrance Examinations (CEE), Government of Kerala, 2011 Onwards

Member, Standardization Committee of Statisticians, Kerala Public Service Commission (KPSC), Government of Kerala, 2012 Onwards

Expert Group Member, State Planning Board, Govt. of Kerala

Distinguished Member, Institutional Ethics Committee, Pankajakasthuri Ayurveda Medical College & PG Centre, Trivandrum

Advisor, Union Public Service Commission (UPSC), Govt. of India

Expert, Kerala Public Service Commission (KPSC), Govt. of Kerala

Ex-officio Member, State Agricultural Prices Board (SAPB), Govt. of Kerala

Research Advisor, KIRTADAS, Kozhikode, Govt. of Kerala, 2016 Onwards

Expert Technical Advisory Committee Member (for the implementation of the Cloud Seeding Programme), Kerala State Electricity Board Ltd (KSEBL)

President, Statistics Fraternity Kerala, Trivandrum, 2022 Onwards

President, International Statistics Fraternity, India, 2021 Onwards
 Convener/Chairman, Professor A.M. Mathai Endowment Committee, 2015 Onwards
 Convener/Chairman, Professor T.S.K. Moothathu Endowment Committee, 2006 Onwards
 Convener/Chairman, Professor C.R. Rao Endowment Committee, 2015 Onwards
 Convener/Chairman, Professor R. Krishna Pillai Endowment Committee, 2018 Onwards
 Convener/Chairman, Professor R.N. Pillai Endowment Committee, 2018 Onwards
 Board of Studies Member, Demography (PG), University of Kerala
 Board of Studies Member, Integrated PG Programme of Cochin University of Science and Technology (CUSAT) (Kerala)
 Board of Studies Member, PG Department, Bharathiar University, Coimbatore (TN)
 Board of Studies Member, PG Colleges, Bharathiar University, Coimbatore (TN)
 Board of Studies Member, PG Department, M.S. University, Tirunelveli (TN)
 Board of Studies Member, UG (Colleges), M.S. University, Tirunelveli (TN)
 Board of Studies Member, Thiruvalluvar University (TN)
 Board of Studies Member, SV University, Tirupathi (AP)
 Board of Studies Member, PG Colleges, Kannur University 2013 onwards (Kerala)
 Board of Studies Member, Kerala University of Fisheries and Ocean Studies (KUFOS) (Kerala)
 Board of Studies Member, FMN College, Kollam (Autonomous) (Kerala)
 Board of Studies Member, Mar Ivanios College, Trivandrum(Autonomous) (Kerala)
 Permanent Reviewer of Zentralblatt MATH - *Springer*
 Permanent Reviewer of Mathematical Reviews (USA)
 Head, Department of Statistics, University of Kerala, 2015-2020
 Member, Academic Council, University of Kerala, 2015-2020
 Senate Member, University of Kerala, 2015-2020
 Research Head, The Mathrubhumi Ptg. Pbg. Co. Ltd., Calicut-673 001, India
 (A leading Malayalam newspaper industry in India), 1997-2000
 Research Consultant, The Mathrubhumi Ptg. Pbg. Co. Ltd., Calicut-673 001, India
 (A leading Malayalam newspaper industry in India), 2000-2003

Editorial Positions

Editor-in-Chief - Asian Journal of Statistical Sciences (AJSS)
 Associate Editor - Journal of Indian Statistical Association (JISA)
 Associate Editor - Gujarat Statistical Review (GSR)
 Editorial Board member - Computer Sciences and Telecommunications
 Editorial Board member - International Journal of Statistics in Medical Research
 Editorial Board member - Journal of Advances in Applied and Computational Mathematics
 Editorial Board member - International Journal of Statistical Distributions
 Editorial Board member - Journal of Statistics and Mathematical Engineering
 Editorial Board member - Biostatistics and Biometrics Journal
 Editorial Board member - International Journal of Mathematics, Statistics and Operations Research
 Editorial Board member - Journal of Econometrics and Statistics

Recognitions/Honours /Awards/Medals etc. [Not Complete]

1. Kerala University Gold Medal, 1989.
2. Jawaharlal Nehru Memorial Fund Award, 1990.
3. Cash Award from Parent Teachers Association, M.S.M. College, Kayamkulam, 1988.
4. Cash Award from Municipal Chairman, Kayamkulam Municipality, 1988.
5. Kerala University Merit Scholarship during 1988-1990.
6. K. M. Basheer Memorial Award, 1992.
7. Award of Junior Research Fellowship of University Grants Commission, Govt. of India, 1994.

8. Award of Senior Research Fellowship of University Grants Commission, Govt. of India, 1996.
9. Research Associate, Centre for Mathematical Sciences, Trivandrum, India 2000 Onwards
10. Listed in Marquis Who's Who in the World.
11. Listed in Marquis Who's Who in Science and Engineering.
12. Nominated Member of the Governing Council of the Centre for Mathematical Sciences. 2010-
13. Nominated as one of the two experts in the Selection Committee of R.N. Pillai Young Statistician Award Competition-2010.
14. Professor R. N. Pillai Best Paper Award, 2010
15. Nominated as one of the three experts in the Selection Committee of the best paper presentation Award Competition of the Physical Science Section of "the 81st Annual Session of the National Academy of Sciences, India (NASI)" held at Kariavattom University Campus during 24-26 November, 2011.
16. Nominated Member of the Mathematical and Statistical Sciences Trust of the Centre for Mathematical Sciences. 2011-
17. Nominated by Government of Kerala in the capacity as a member in the "Standardization Committee of Statisticians" in connection with the Reforms to Engineering Entrance Examination 2012.
18. Nominated by Kerala Public Service Commission (KPSC), Government of Kerala in the capacity as a member in the "Standardization Committee of Statisticians" in connection with the Standardization of the difficulty level of three regional examinations, conducted by KPSC, 2012.
19. Nominated by Kerala State Electricity Board Ltd(KSEBL) in the capacity as a member in the "Expert Technical Advisory Committee for the implementation of the Cloud Seeding Programme".
20. Selected as Reviewer of Mathematical Reviews (USA)
21. Selected as Permanent Reviewer of Zentralblatt MATH - *Springer*
22. Chancellor's nominee in several selection/screening committees
23. Vice-Chancellor's nominee in several selection/screening committees
24. Nominated as the Expert for conducting the Academic and Administrative Audit of Dept of Statistics, University of Calicut, Calicut.
25. Recipient of K.S Rao Best Researcher Award, Indian Society for Probability and Statistics (ISPS), 2023 Conference.

Service Details

- 01-03-1991 to 24-07-1991:** Statistical Assistant, Agricultural Finance Corporation Ltd., Trivandrum – 695 010 (A Central Govt. Organization)
- 26-10-1992 to 25-10-1994:** Project Scientist, Center for Mathematical Sciences, Trivandrum (A non- profitable Autonomous scientific institution)
- 26-10-1994 to 18-01-1997:** UGC Research Fellow (JRF&SRF), Department of Statistics, University of Kerala, Kariavattom, Trivandrum.
- 21-01-1997 to 31-05-2000:** Research Head, The Mathrubhumi Ptg. Pbg. Co. Ltd., Calicut–673 001, India (A leading news paper industry in India)
- 01-06-2000 to 07-05-2003:** Lecturer/Assistant Professor and HoD in Statistics, Department of Statistics, NAM College, Kallikkandy, Kannur University, Kerala.
- 01-06-2000 to 31-05-2002:** Research Consultant (Honorary), The Mathrubhumi Ptg. Pbg. Co. Ltd., Calicut–673 001, India (A leading news paper industry in India)
- 08-05-2003 to 31-05-2004:** Lecturer/Assistant Professor in Statistics, Department of Statistics, University of Kerala, Kariavattom, Trivandrum.
- 01-06-2004 to 31-05-2009:** Lecturer/Assistant Professor in Statistics (Senior Scale), Department

of Statistics, University of Kerala, Kariavattom, Trivandrum.

01-06-2009 to 31-05-2012: Reader in Statistics (Senior Scale), Department of Statistics, University of Kerala, Kariavattom, Trivandrum.

01-06-2012 to 31-05-2015: Associate Professor in Statistics (Senior Scale), Department of Statistics, University of Kerala, Kariavattom, Trivandrum

01-01-2015 to 31-05-2015: Associate Professor and Head, Department of Statistics, University of Kerala, Kariavattom, Trivandrum

01-06-2015 to 31-05-2020: Professor and Head, Department of Statistics, University of Kerala, Kariavattom, Trivandrum

01-06-2021 onwards: Professor, Department of Statistics, University of Kerala, Kariavattom, Trivandrum

21-09-2021 Onwards: Professor and Director, School of Physical and Mathematical Sciences, University of Kerala, Kariavattom, Trivandrum

Total Teaching/Research Experience

Industrial/Applied Research (Full Time) : > 5 Years, 9 Months

Theoretical Research (Full Time & Part Time): > 27 Years

Total Teaching Experience (Full Time) : > 21 Years

Professional Membership

Elected Member: International Statistical Institute, The Netherlands

Life Member : Bernoulli Society, Poland

International Indian Statistical Association (IISA)

Indian Society for Probability and Statistics (ISPS);

Kerala Statistical Association (KSA)

Indian Science Congress Association (ISCA)

Statistics Fraternity of Kerala (SFK)

Alumni Association Department of Statistics University of Kerala (AADSUK)

President : Kerala Statistical Association (KSA) 2020 Onwards

President : Statistics Fraternity of Kerala 2022 Onwards

Secretary : Statistics Fraternity of Kerala 2003 – 2022

Executive Committee Member: Indian Society for Probability and Statistics (ISPS) 2014-2018, 2021 Onwards

Joint Secretary : Indian Society for Probability and Statistics (ISPS) 2018 -2020

Joint Secretary : The Kerala Statistical Association (KSA) 2012-14

Executive Committee Member: The Kerala Statistical Association (KSA) 2005-07; 2009-12

Treasurer : Alumni Association(AADSUK), Department of Statistics, University of Kerala 2009-2011.

Secretary : Alumni Association(AADSUK), Department of Statistics, University of Kerala 2012-2014.

President : Alumni Association(AADSUK), Department of Statistics, University of Kerala 2015-2020.

Board of Studies Member: Statistics (UG) Kannur University, India 2003 – 2010 (Kerala)

Board of Studies Member: Statistics (PG) University of Kerala, India 2003-2011

Board of Studies Member: Statistics (PG) Kannur University, India 2013-2015(Kerala)

Research Associate (Honorary): Centre for Mathematical Sciences, Trivandrum, India 2000- 2017

Governing Council Member: Centre for Mathematical and Statistical Sciences. 2010 onwards

Governing Council Member: Mathematical and Statistical Sciences Trust, 2011- 2017

Trustee and Governing Council Member: Mathematical and Statistical Sciences Trust, 2018- 2019
 Executive Trustee and Governing Council Member: Mathematical and Statistical Sciences Trust, 2020
 Onwards
 Secretary : Department Council, Dept. of Statistics, University of Kerala, 2012 – 2014
 Secretary : School Council, School of Mathematical and Physical Sciences, University of
 Kerala 2012 November -2013
 Chairman : School Management Committee, Govt. U.P. S, Kariavattom, 2014 - 2020
 Nominated as the Sub-Committee Member - constituted for the MSc Project Competition Award of
 ISPS during 2017 onwards (several committees)

Details of Research and Training

Research Supervision:

- ❖ Number of Ph.D. theses supervised successfully : **10**
- ❖ Number of Ph.D. theses in the finishing stage
 (will be submitted within 1 year) : **4**
- ❖ Number of M. Phil. theses supervised successfully : **>35**
- ❖ Number of M. Sc. theses supervised : **>50**
- ❖ Number of research scholars being supervised (at present) : **8**
- ❖ Number of M. Phil. theses being supervised (at present) : **3**
- ❖ Number of M. Sc. Theses being supervised (at present) : **8**

Research Publications: > 140 research papers in peer reviewed journals; published/edited 2 research level Books [Most of the published articles are in internationally reputed journals like AStA Advances in Statistical Analysis, Metrika, Metron, Statistics and Probability Letters, Statistics, Journal of Applied Statistics, Communications in Statistics-Theory and Methods, Communications in Statistics-Computation and Simulation, Korean Journal of Statistical Society, Journal of Statistical Computation and Simulation etc.]

Details of Research Publications:

International: > 80; National: > 40

1. **Kumar, C.S.** and Riyaz, A., "On Some Aspects of a Bivariate Alternative Zero-inflated Logarithmic Series Distribution" **Statistical Theory and Related Fields**, 2023(Accepted for Publication). <https://doi.org/10.1080/24754269.2023.2179324>
2. **Kumar, C.S.** and Rosmi Jose, "Generalized Double Lindley Distribution: A New Model for Weather and Financial Data", **Random Operators and Stochastic Equations**, 2023 (Accepted for Publication)
3. **Kumar, C.S.** and Satheenthar, A.S., "An extended exponential hyper-Poisson distribution: Properties and applications", **Communications in Statistics: Theory and Methods**, 2023. <https://doi.org/10.1080/03610926.2023.2178261>
4. **Kumar, C.S.** and Riyaz, A., "On Bivariate Alpha Logarithmic Series Distribution and its Properties", **Communications in Statistics: Theory and Methods**, 2022 (Accepted for Publication). <https://doi.org/10.1080/03610926.2022.2081708>
5. **Kumar, C.S.** and Harisankar, S., "Generalized geometric distribution of order k", **Asian Journal of Statistical Sciences**, 2022, 2(2)

6. **Kumar, C.S.** and Anila, G.V., "On a Wide Plurimodal Class of Distributions Suitable for Asymmetric Data Sets", **Reliability Theory and Applications**, Vol-17, No-2(68), Pages: 387 - 402, June 2022 DOI: <https://doi.org/10.24412/1932-2321-2022-268-387-402>
7. **Kumar, C.S.** and Nair, S.R., The Additive log-Inverse Weibull Distribution: Properties and Applications, **Asian Journal of Statistical Sciences**, 2022, 2(1), 83-104. [Download](#)
8. **Kumar, C.S.** and Rakhi Ramachandran, On zero-inflated Generalized Hyper-Poisson Distribution: and its Properties, **Gujarat Journal of Statistics and Data Sciences**, 2022 (Accepted for Publication)
9. **Kumar, C.S.** and Nair, S.R., On some properties of generalized Kumaraswamy inverse Weibull distribution, **International Journal of Agricultural and Statistical Sciences**, 2022 (Accepted for Publication)
10. **Kumar, C.S.** and Satheenthar, A.S. "A new class of lifetime distribution with decreasing failure rate: Properties and applications", **Communications in Statistics - Simulation and Computation**, Vol--, No--, Pages: - - -, 2022. [Download](#)
11. **Kumar, C.S.** and Harisankar, S., "Bivariate Generalized Yule Distribution: Properties and Applications", **Communications in Statistics - Simulation and Computation**, 2022 [Download](#). DOI: <https://doi.org/10.1080/03610918.2021.1931321>
12. **Kumar, C.S.** and Satheenthar, A.S., "A new class of lifetime distribution with decreasing failure rate: Properties and applications", **Communications in Statistics - Simulation and Computation**, 2022 [Download](#) DOI: <https://doi.org/10.1080/03610918.2021.1936555>
13. **Kumar, C.S.** and Emil Nainan Abraham, "On Zero-truncated Alternative Hyper-Poisson Distribution and its Applications", **Calcutta Statistical Association Bulletin**, 2022 [Download](#)
14. **Kumar, C.S.** and Anila, G.V., "On a flexible class of asymmetric mixture normal distribution and its applications", **Random Operators and Stochastic Equations**, 2022 [Download](#)
15. **Kumar, C.S.** and Satheendar, A.S., "Extended family of exponential Poisson distribution", Properties and applications, **Proceedings of the International Conference on Advances in Mathematical and Statistical Sciences**, Pages: 10-19, 2022 [ISBN: 978-93-887619-5-6]
16. **Kumar, C.S.** and Sandeep, S., "Generalized Alternative Hyper Poisson Distribution", **Proceedings of the International Conference on Advances in Mathematical and Statistical Sciences**, Pages: 127-136, 2022 [ISBN: 978-93-887619-5-6]
17. **Kumar, C.S.** and Prince Sathyan, "On Some Properties of Weighted Poisson Distribution", **Proceedings of the International Conference on Advances in Mathematical and Statistical Sciences**, Pages: 05-09, 2022 [ISBN: 978-93-887619-5-6]
18. **Kumar, C.S.** and Pallavi Krishna, S., "On Some Properties of Two Parameter Reduced Kies Distribution", **Proceedings of the International Conference on Advances in Mathematical and Statistical Sciences**, Pages: 147-162, 2022 [ISBN: 978-93-887619-5-6]
19. **Kumar, C.S.** and Athulyaraj, S.L., "An Alternative to Proportional Inverse Weibull Distribution", **Proceedings of the International Conference on Advances in Mathematical and Statistical Sciences**, Pages: 137-146, 2022 [ISBN: 978-93-887619-5-6]
20. **Kumar, C.S.** and Rakhi Ramachandran, "A Generalization to zero-inflated hyper-Poisson distribution: Properties and applications", **Communications in Statistics: Theory and Methods**, 2022 [Download](#) DOI: <https://doi.org/10.1080/03610926.2022.2043378>
21. **Kumar, C.S.** and Rakhi Ramachandran, "On Zero-inflated Alternative Hyper-Poisson Distribution", **Statistica**, Vol-81, No-4, Pages: 423 - 446, September 2021 [Download](#) DOI: <https://doi.org/10.6092/issn.1973-2201/9338>
22. **Kumar, C.S.** and S.R. Nair, "A Generalization to the Log-inverse Weibull Distribution and its Applications in Cancer Research", **Journal of Statistical Distributions and Applications**, No 8, Pages: 8-14, January 2021 [Download](#)
23. **Kumar, C.S.** and Alex, R.M., "Wrapped Generalized Skew Normal Distribution", **Stochastic Modelling and Applications**, Vol-25, No-1, Pages: 1 - 7, January 2021 [Download](#) (Accepted for publication)

24. **Kumar, C.S.** and Harisankar, S., "Bivariate Extended Yule Distribution", *American Journal of Mathematical and Management Sciences*, Vol-40, No-4, Pages: 340 - 356, January 2021 Download DOI: <https://doi.org/10.1080/01966324.2021.1884920>
25. **Kumar, C.S.** and Rakhi Ramachandran, "On Zero-inflated hyper-Poisson Distribution and its Applications ", *Communications in Statistics - Simulation and Computation*, 2021 Download DOI: <https://doi.org/10.1080/03610918.2019.1659362>
26. **Kumar, C.S.** and Harisankar, S., "On Some Aspects of Generalized Extended Yule Distribution: Properties and Applications", *Journal of Advances in Applied & Computational Mathematics*, Vol 7, Pages: 49-56, 2021 Download DOI: <https://doi.org/10.15377/2409-5761.2020.07.7>
27. **Kumar, C.S.** and S.R. Nair, "A Generalized log-Weibull Distribution with Bio-medical Applications", *International Journal of Statistics in Medical Research*, Vol 10, 2021 Download DOI: [10.6000/1929-6029.2021.10.02](https://doi.org/10.6000/1929-6029.2021.10.02)
28. **Kumar, C.S.** and Manju, L., "Gamma Generalized Logistic Distribution: Properties and Applications", *Journal of Statistical Theory and Applications*, 2022 Download (Accepted for publication)
29. **Kumar, C.S.** and S.R. Nair, "On some properties of generalized Kumaraswamy inverse Weibull distribution", *Biostatistics and Biometrics Open Access Journal*, 2021
30. **Kumar, C.S.** and Harisankar, S., "On Some Properties of Extended Doubly Generalized Yule Distribution", *Journal of the Indian Statistical Association*, Vol-59, No-2, June 2021 Download (Accepted for publication)
31. Biju,G.V., Rajagopalan,V. and **Kumar, C.S.**, "On Weighted Rani Distribution with Applications to Bladder Cancer Data", *High Technology Letters*, Vol-26, No-6, Pages: 546 - 558, June 2020 Download
32. Biju,G.V., Rajagopalan,V. and **Kumar, C.S.**, "A New Two Parametric Distribution with Applications to Cancer Data", *Journal of Xi'an University of Architecture & Technology*, Vol-XII, No-4, Pages: 5825 - 5839, April 2020 Download
33. **Kumar, C.S.** and Emil Nainan Abraham, "Some properties of positive Hyper-Poisson Distribution and its Applications", *Statistica*, Vol-80, No-1, Pages: 41 - 53, February 2020 Download DOI: <https://doi.org/10.6092/issn.1973-2201/8658>
34. **Kumar, C.S.** and Harisankar, S., "Modified Geometric Distribution: Properties and Applications", *Stochastic Modelling and Applications*, Vol-24, No-1, Pages: 43 - 54, January 2020 Download
35. **Kumar, C.S.** and Sreejakumari, S., "On Some Properties and Applications of Intervened Cluster Negative Binomial Distribution", *Communications in Statistics - Simulation and Computation*, Vol-49, No-9, Pages: 2357 - 2371, 2020 Download DOI: <https://doi.org/10.1080/03610918.2018.1520866>
36. **Kumar, C.S.** and Harisankar, S., "On Some Aspects of a General Class of Yule Distribution and its Applications", *Communications in Statistics- Theory and Methods*, Vol-49, No-12, Pages: 2887 - 2893, 2020 Download DOI: <https://doi.org/10.1080/03610926.2019.1584308>
37. **Kumar, C.S.** and Rakhi Ramachandran, "On Some Aspects of a Zero-inflated Over-dispersed Model and its Applications", *Journal of Applied Statistics*, Vol-47, No-3, Pages: 506 - 523, 2020 Download DOI: <https://doi.org/10.1080/02664763.2019.1645098>
38. **Kumar, C.S.** and Harisankar, S., "Modeling Over-dispersed Datasets Using Generalized Geometric Distributions", *Journal of Statistical Computation and Simulation*, Vol-90, No-4, Pages: 606 - 623, 2020 Download DOI : <https://doi.org/10.1080/00949655.2019.1692841>
39. **Kumar, C.S.** and Rosmi Jose, "A New Generalization to Laplace Distribution", *International Journal of Mathematics and Computation*, Vol-31, No-1, Pages: 8 - 32, 2020 Download
40. **Kumar, C.S.** and Harisankar, S., "Bivariate Version of Yule Distribution and Some of its Properties", *Journal of Statistics and Mathematical Engineering*, Vol-5, No-1, Pages: 7 - 15, April 2019 Download

41. **Kumar, C.S.** and Rosmi Jose, "On Double Lindley Distribution and Some of its Properties", *American Journal of Mathematical and Management Sciences*, Vol-38, No-1, Pages: 23 - 43, 2019 Download DOI: <https://doi.org/10.1080/01966324.2018.1480437>
42. **Kumar, C.S.** and Sreejakumari,S., "On Some Properties and Applications of Intervened Gegenbauer Distribution", *SriLankan Journal of Applied Statistics*, Vol-19, No-1, Pages: 31 - 44, 2019 Download DOI: <http://doi.org/10.4038/sljastats.v19i1.7926>
43. **Kumar, C.S.** and Rosmi Jose, "An alternative Laplace distribution", *Journal of Statistical Research*, Vol-53, No-2, Pages: 111 - 127, 2019 Download
44. **Kumar, C.S.** and Jino Nainan, "On some properties of bivariate two-piece logistic distribution", *Journal of the Indian Statistical Association*, Vol-56, No-1&2, Pages: 111 - 126, December 2018 Download
45. **Kumar, C.S.** and Manju, L., "A Generalized Logit Model – An Alternative to Probit and Logit Models", *The Aligarh Journal of Statistics*, Vol-38, Pages: 33 - 42, December 2018 Download
46. **Kumar, C.S.** and Nair, S.R.,, "On Log-Inverse Weibull Distribution and its Properties", *American Journal of Mathematical and Management Sciences*, Vol-37, No-2, Pages: 144 - 167, October 2018 Download DOI: <https://doi.org/10.1080/01966324.2017.1392268>
47. **Kumar, C.S.** and Anusree, M.R., "On some aspects of a new class of two-piece asymmetric normal distribution ", *Journal of Statistical Theory and Applications*, Vol-17, No-1, Pages: 101 - 121, March 2018 Download
48. **Kumar, C.S.** and Nair, S.R., "On Some Aspects of a Flexible Class of Additive Weibull Distribution", *Communications in Statistics- Theory and Methods*, Vol-47, No-5, Pages: 1028 - 1049, 2018 Download DOI: <https://doi.org/10.1080/03610926.2017.1316399>
49. **Kumar, C.S.** and Harisankar, S., "On a modified Yule distribution", *Statistica*, Vol-78, No-2, Pages: 169 - 181, 2018 Download DOI: <https://doi.org/10.6092/issn.1973-2201/7990>
50. **Kumar, C.S.** and Nair, S.R., "On Some Properties of the Log-Weibull Distribution", *Journal of Statistics and Mathematical Engineering* , Vol-4, No-2, Pages: 1 - 10, 2018 Download
51. **Kumar, C.S.** and Sreejakumari, S., "Some aspects of generalized version of intervened geometric distribution", *Collection of Recent Developments in Statistical Theory and Applications Volume 1*, SFK Publishers, Trivandrum, 2018
52. **Kumar, C.S.** and Nair, S.R., "On the estimation of parameters of an exponentiated version of the log-inverse Weibull distribution", *Collection of Recent Developments in Statistical Theory and Applications* , Vol-1, 2018
53. **Kumar, C.S.** and Anila, G.V., "Asymmetric curved normal distribution", *Journal of Statistical Research*, Vol-52, No-2, Pages: 173 - 186, 2018 Download
54. **Kumar, C.S.** and Harisankar, S., "An Alternative to Zero-inflated Yule Distribution", *Proceedings of the National Conference on Advances in Statistical Methods*, Pages: 79 - 88, 2018
55. **Kumar C.S.** and Harisankar, S., "On some properties of modified zero-inflated alternative Yule distribution", *Proceedings of the International Conference on Numerical Analysis, Computing and Applications in Science, Engineering and Technology (ICNumACA'18)*, 2018
56. **Kumar,C.S.** and Anila, G.V., "On Some Aspects of a Generalized Asymmetric Normal Distribution ", *Statistica*, Vol-77, No-3, Pages: 161 - 179, September 2017 Download DOI: <https://doi.org/10.6092/issn.1973-2201/7134>
57. **Kumar, C.S.** and Anusree, M.R., "On an extended skew curved normal distribution and its application", *Journal of Statistical Research*, Vol-51, No-2, Pages: 115 - 129, September 2017 Download DOI: [10.47302/jsr.2017510202](https://doi.org/10.47302/jsr.2017510202)
58. **Kumar, C.S.** and Manju, L., "A Note on Logistic Mixture Distributions", *Biostatistics and Biometrics Open Access Journal*, Vol-2, No-5, August 2017 Download DOI:10.19080/bboaj.2017.02.555598

59. **Kumar, C.S.** and Dharmaja, S.H.S., "On modified Kies distribution and its applications", *Journal of Statistical Research*, Vol-51, No-1, Pages: 41 - 60, June 2017 [Download](#)
DOI: [10.47302/jsr.2017510103](https://doi.org/10.47302/jsr.2017510103)
60. **Kumar, C.S.** and Riyaz, A., "On Some Aspects of a Generalized Alternative Zero-Inflated Logarithmic Series Distribution", *Communications in Statistics - Simulation and Computation*, Vol-46, No-4, Pages: 2689 - 2700, 2017 [Download](#)
DOI: <https://doi.org/10.1080/03610918.2015.1057287>
61. **Kumar, C.S.** and Dharmaja, S.H.S., "Inverse Kies distribution: Properties and Applications", *The South African Statistical Journal*, Vol-51, No--, Pages: 45 - 65, 2017 [Download](#)
62. **Kumar, C.S.** and Dharmaja, S.H.S., "The Exponentiated Reduced Kies distribution- Properties and Applications", *Communications in Statistics – Theory and Methods*, Vol-46, No-17, Pages: 8778 - 8790, 2017 [Download](#) DOI: <https://doi.org/10.1080/03610926.2016.1193199>
63. **Kumar, C.S.** and Sreejakumari, S., "On a Modified Version of Intervened Negative Binomial Distribution", *Journal of Statistical Computation and Simulation*, Vol-87, No-3, Pages: 437 - 446, 2017 [Download](#) DOI: [10.1080/00949655.2016.1209203](https://doi.org/10.1080/00949655.2016.1209203)
64. **Kumar, C.S.** and Dharmaja, S.H.S., "On Generalized Log-Weibull Distribution and its Applications", *Echoes of Research*, Vol--, No--, 2017
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Books Published

1. **Kumar, C.S.**, Chacko, M. and Sathar, E.I.A., "**Collection of Recent Statistical Methods and Applications**", Kerala University Department of Statistics Publishers, Trivandrum, ISBN 978-93-5104-794-0, Pages: 1 - 329, 2013.[ISBN 978-93-5104-794-0]
2. **Kumar, C.S.**, Lesitha, G. and Thomas, P.Y., "**Some Recent Innovations in Statistics**", Kerala University Department of Statistics Publishers, 2008 [MR2478434]
STMA-Z Statistical Theory: [STMAZ 05560963](#)

Details of Projects Undertaken:

1. Principal Investigator: MATRICS scheme of SERB –Dept. of Science and Technology (DST), New Delhi (for the period: 2018-2021)
Project Name: "A Study on Certain Hyper-Poisson Related Distributions"
Funding Agency: **Department of Science and Technology, Government of India**
Total Outlay: 6,60,000
2. Principal Investigator: **Minor Research Project - University Grants Commission**
File No.34-535/2008(SR)
Title: Generalizations of Confluent Hypergeometric Distributions.
Allocation: Rs 1,00,000/- [With effect from 01-02-2009 for a period of 2 years]

Details of Participation in Conference/ Seminar/ Workshop/ Orientation Programme / Refresher Courses / Training Programs etc. [Not Complete]:

1. *On doubly generalized hypergeometric probability distribution* (Co-author Prof. T.S.K. Moothathu) at the Third International conference on Lattice path Combinatorics and Applications, January 12

- 14, 1994, jointly organized by Department of Operations Research and Department of Statistics, University of Delhi.
2. *Non linear models for predicting rainfall depth in Kerala*, at the Sixth Kerala Science Congress, January 27 – 29, 1994, Trivandrum.
 3. Participated in a national level research training program on "Generalized Special Functions and Functions of Matrix Arguments" held under the auspices of the Centre for Mathematical Sciences from 19 June to 28 July 1995 sponsored by the Department of Science and Technology Government of India, New Delhi.
 4. *On bivariate generalized hypergeometric factorial moment distribution*, presented under ISCA Young Scientist Award Programme 1997, 84 th Session of the Indian Science Congress, January 3 – 8, 1997, University of Delhi.
 5. *On Extended generalized hypergeometric probability distribution*, presented at the national level conference on Probability and Statistics, June 23-25, 2003, University of Kerala, Trivandrum.
 6. Attended a one day workshop on 'Bio-informatics' held on 26 June 2003 at Department of Statistics, University of Kerala, Trivandrum.
 7. Presented a short summary of my Ph.D thesis in a one day conference on 'On the Life and Contributions of the Great Indian Statistical Missionary and Visionary: P.C.Mahalanobis' held on 27 June 2003 at Department of Statistics, University of Kerala, Trivandrum.
 8. Delivered three lectures on "*Bivariate Discrete Probability Models*" as a Resource Person for the UGC sponsored Refresher Course in Statistics held at the Academic Staff College, University of Kerala during September-October 2003.
 9. Participated in a national workshop and Lecture series on Statistics in Theory and Practice, sponsored by the Indian Academy of Sciences, Bangalore held at the Department of Statistics, St.Thomas College, Pala during 1-3 October 2003.
 10. *On Some Mathematical Comedies*, an invited talk at the inaugural function of the "*Maths Club*" of NAM College, October 22, 2003, Kannur.
 11. Participated in a national instructional workshop on "Recent Trends and New Directions of Research in Cybernetics and Systems theory" held at Institute of Advanced Study in Science and Technology (IASST), Guwahati from 28 January to 1 February 2004 sponsored by the Department of Science and Technology Government of India, New Delhi.
 12. Delivered an invited talk on "*Scope of Research in Statistics*"; at NAM College, Kannur on 08 June 2004.
 13. Delivered four lectures on "*Correlation and Regression Analysis*" as a Resource Person for the UGC sponsored Refresher Course in Biostatistics held at the Academic Staff College, University of Kerala during September-October 2004.
 14. Participated in the Orientation Programme (IT-Oriented) conducted by Academic Staff College, University of Kerala, Kariavattom from 23 November 2004 to 20 December 2004 (28 days) sponsored by the University Grants Commission, Government of India.

15. Attended a one day Seminar on "Recent Advances in Statistics Research" and the silver jubilee Conference of Kerala Statistical Association held at the Dept. of Statistics, University College, Trivandrum during on 26 February 2005.
16. Delivered three lectures on "*An Introduction to Regression Analysis*" as a Resource Person for the UGC sponsored Refresher Course in Biostatistics held at the Academic Staff College, University of Kerala during September-October 2005.
17. Presented a paper entitled "*Extended generalized hypergeometric factorial moment distribution and its properties*", in the National Seminar on "Stochastic Process Modeling, Distribution Theory and Order Statistics" held at Dept. of Statistics, University of Kerala, Trivandrum during 16-18 March 2006.
18. Participated in the UGC sponsored Refresher Course in Biostatistics held at the Academic Staff College, University of Kerala during September-October 2006 (21 days) sponsored by the University Grants Commission, Government of India.
19. Delivered two lectures on "*Applications of Regression Analysis*" as a Resource Person for the UGC sponsored Refresher Course in Biostatistics held at the Academic Staff College, University of Kerala during September-October 2006.
20. Participated in the one day Seminar on Statistics and the Annual Conference of Kerala Statistical Association held at Dept. of Statistics, Nirmala College, Muvattupuzha on 10 March 2007.
21. Presented a paper entitled "*On Gaussian hypergeometric distribution*" in the International Conference on "Special Functions and its Applications in honour of Prof. A.M. Mathai" held at St. Thomas College, Pala during 18-20 May 2007.
22. Participated in the *Census Data Dissemination Workshop* at Centre for Development Studies (CDS), Trivandrum on 10 August 2007, organized by Directorate of Census Operations, Kerala.
23. Participated in the workshop on 'Quality Improvement in Research' organized by University of Kerala on 28-29 September 2007 at the University Buildings, Trivandrum.
24. Handled four problem solving sessions in the UGC sponsored Refresher Course in Biostatistics held at the Academic Staff College, University of Kerala during October – November 2007.
25. Presented a paper entitled "*A new family of bivariate discrete distributions*" in the National Seminar on "Statistical Methods and Reliability Analysis" held at Cochin University of Science and Technology, Kochi during 28-30 January 2008.
26. Attended a one day Seminar on "Statistics and Mathematics" at Govt. Collge, Kariavattom on 26 March 2008
27. Participated in a one day National Seminar on "Applications of Statistics in New Frontiers of Science" held on 17 May 2008 at Department of Statistics, University of Kerala, Trivandrum. This seminar was sponsored by University of Kerala.

28. Delivered a talk on "*Modeling of Economic Data*" as a Resource Person for the UNDP assisted Training Programme on Statistical Methodology for senior level officers held at the Directorate of Economics and Statistics, Government of Kerala during 11-15 November 2008.
29. Participated in the International Seminar on "Democratic & Secular Education", organized by Govt. of Kerala and University of Kerala during 4-6 December 2008 at Kerala University Campus, Kariavattom, Trivandrum.
30. Delivered an invited talk on "*Some recent developments in Statistics*" in the One day Seminar on 'Mathematics and Statistics' held at NAM College, Kannur on 14 January 2009.
31. Presented the following papers in the National Seminar on "Recent Trends in Statistics" organized by the Department of Statistics, Nehru Arts and Science College, Kanhangad during 12-14 February 2009 and Chaired one Contributory Session of the Seminar.
 - (i) *On stuttering confluent hypergeometric series distributions.*
 - (ii) *On a generalized logarithmic series distribution* (Co-author: A. Riyaz)
32. Participated in the five day workshop on 'Restructuring the Undergraduate Course in Statistics' organized by the Board of Studies (Pass), University of Kerala and sponsored by the Higher Education Council, Govt. of Kerala during 24-28 February 2009.
33. Participated in the UGC sponsored Refresher Course in Environmental Science (Multi-disciplinary) held at the Academic Staff College, University of Kerala during 9-30 May 2009 (21 days) sponsored by the University Grants Commission, Government of India.
34. Presented the following papers in the national workshop on "Bayesian Statistics and MCMC Methods using Bugs & R" organized by the Department of Statistics, St. Thomas College, Pala during 26-30 June 2009.
 - (i) *On a class of discrete distributions of order k.*
 - (ii) *On modified hyper-Poisson distribution* (Co-author: B. Unnikrishnan Nair)
35. Delivered a talk on "*Quality Data Collection*" as a Resource Person for the Training Programme on Statistical Methodology for senior level officers held at the Directorate of Economics and Statistics, Government of Kerala during 02-06 June 2009.
36. Participated in the Indian Science Congress held at University of Kerala, Kariavattom Campus during 3-7 January 2010.
37. Presented a paper entitled "*On bivariate confluent hypergeometric series distribution*", in the International Conference on "Statistics and Information Analytics" held at the Department of Statistics, Loyola College, Chennai during 11-13 January 2010.
38. Presented an Invited Paper on "*Unified approach to discrete distributions of order k*" in the National Seminar on "New Trends in Applied Statistical Methodology" & Annual Conference of The Kerala Statistical Association organized by the Department of Statistics, Nirmala College, Muvattupuzha during 25-27 February, 2010 and also presented a paper on "*On certain finite mixtures of positive Poisson distribution*" (Co-author: D. S. Shibu) in the Contributory Session of the Seminar.
39. Presented an Invited Paper on "*On extended generalized hypergeometric recast distribution*" in the National Seminar on "New Trends in Applied Statistical Methodology" & Annual Conference

of The Kerala Statistical Association organized by the Department of Statistics, Nirmala College, Muvattupuzha during 25-27 February, 2010 and also presented the following papers:

- (i) *On finite mixtures of intervened Poisson distributions* (Co-author: D.S. Shibu).
 - (ii) *On a generalized hyper-Poisson distribution* (Co-author: B. Unnikrishnan Nair)
40. Presented the following papers in the "International Conference on Mathematical Sciences in honour of Professor A.M. Mathai" organized by the Department of Statistics, St. Thomas College, Pala during 03-05 January, 2011.
- (i) *On generalized confluent hypergeometric series distribution*
 - (ii) *Finite mixtures of intervened Poisson regression models* (Co-author: D.S. Shibu).
 - (iii) *On a bivariate version of hyper-Poisson distribution* (Co-author: B.U. Nair)
 - (iv) *A generalized skew normal distribution* (Co- author: M.R. Anusree)
41. Presented an Invited Paper on "*On bivariate Gaussian hypergeometric distributions*" in the International Conference on "Actuarial Statistics, Biostatistics and Stochastic Modeling" organized by the Department of Statistical Sciences, Kannur University during 12-14 January, 2011 and also presented the following papers:
- (i) *On certain finite mixtures of intervened Poisson distributions and its modified versions* (Co-author: D.S. Shibu).
 - (ii) *An extended version of hyper-Poisson distribution and some of its applications* (Co-author: B. Unnikrishnan Nair)
 - (iii) *A modified logarithmic series distribution* (Co-author: A. Riyaz)
 - (iv) *On an extended generalized skew normal distribution and its properties* (Co- author: M.R. Anusree)
42. Presented an Invited Paper on "*On bivariate generalized hypergeometric recast distribution*" in the National Conference on "Statistics for Twenty-first Century " & Annual Conference of The Kerala Statistical Association organized by the Department of Statistics, University of Kerala during 17-19 March 2011 and also presented the following papers:
- (i) *On mixtures of generalized intervened Poisson models* (Co-author: D.S. Shibu).
 - (ii) *On hyper-Poisson distribution of order k* (Co-author: B. Unnikrishnan Nair)
 - (iii) *An extended logarithmic series distribution and its properties* (Co-author: A. Riyaz)
 - (iv) *On two-piece skew normal distribution* (Co-author: M.R. Anusree)
 - (v) *A new class of negative binomial type distribution* (Co-author: S. Sreejakumari).
 - (vi) *On reduced Kies distribution and its properties* (Co-author: S.H.S. Dharmaja)
43. Presented a paper entitled "On Generalized Gaussian Hypergeometric Distribution" in the International Conference on "Statistics and Information Analytics" held at Loyola College Madras during 25-27 August 2011 and also presented the following joint papers:
- (i) *On finite mixtures of modified intervened Poisson regression models* (Co-author: Shibu, D.S.)
 - (ii) *An alternative hyper-Poisson distribution and its properties* (Co-author: Nair, B. U.).
 - (iii) *On an extended version of logarithmic series distribution* (Co-author: Riyaz, A.).
44. Presented an Invited Paper on "On generalized hypergeometric recast distribution of order k" in the International Conference on "Statistics, Probability and Related Areas" and "the 31 Annual Conference of Indian Society for Probability and Statistics" held at Cochin University of Science and Technology during 19-22 December, 2011 and chaired a session of the Conference. The following joint papers were also presented in the Conference:
- (i) *On intervened Hermite distribution and its properties* (Co-author: Shibu, D.S.)

- (ii) *On some properties of alternative hyper-Poisson distribution and its generalization* (Co-author: Nair, B.U.).
 - (iii) *On a modified version of skew normal distribution* (Co-author: Anusree, M.R.)
 - (iv) *A generalization to intervened geometric distribution* (Co-author: Kumari, S.S.)
 - (v) *On two parameter Kies distribution and its applications* (Co-author: Dharmaja, S.H.S.).
45. Delivered a Invited talk on "Recent trends in Statistics" as a Chief Guest for inaugurating the Mathematics Association of the HHMSPB N.S.S. College for Women, Trivandrum on 23 January 2012.
46. The following joint papers were presented in the National Seminar on "Recent Trends in Statistics and Related Areas" held at University of Calicut during 15-17 March, 2012:
- (i) *On intervened generalized Hermite distribution and its properties* (Co-author: Shibu, D.S.)
 - (ii) *An alternative version of hyper-Poisson distribution and its bivariate version* (Co-author: Nair, B.U.).
 - (iii) *A new class of two-piece skew normal distribution* (Co-author: Anusree, M.R.)
 - (iv) *On an extended intervened geometric distribution and its applications* (Co-author: Kumari, S.S.)
 - (v) *On bivariate zero inflated logarithmic series distribution* (Co-author: Riyaz, A.).
47. Delivered an Invited talk on "On some classes of skew normal distributions" (Co-author: Anusree, M.R.) in the three day National Conference on "Statistics for Twenty-first Century-2012" organized by the Department of Statistics, University of Kerala during 10-12 December 2012 and also presented the following joint papers in the Conference.
- (i) "On finite mixtures of intervened Hermite distribution" (Co-author: Shibu, D.S.)
 - (ii) "On alpha-generalized hyper-Poisson distribution and its generalization" (Co-author: Nair, B.U.).
 - (iii) "On exponentiated log-Weibull distribution" (Co-author: Dharmaja, S.H.S.)
 - (iv) "On zero inflated logarithmic series distribution of order k" (Co-author: Riyaz, A.)
 - (v) "On an extended version of intervened geometric distribution" (Co-author: Kumari, S.S.).
48. Attended the International Conference on "Frontiers of Statistics and Its Applications" at the Department of Statistics, Pondicherry University, Puducherry during 21-23 December 2012 and presented a paper entitled "On generalized two-piece skew normal distribution" (Co-author: Anusree, M.R.) and also presented the following joint papers in the Conference.
- (i) "On some properties of Kies distribution" (Co-author: Dharmaja, S.H.S.) and
 - (ii) "An extended version of alternative hyper-Poisson distribution" (Co-author: Nair, B.U.).
49. Attended a one week National Workshop on "Recent Developments in Statistics with Special Emphasis on Computational Statistics" organized by the Department of Statistics, University of Kerala during 01-07 March 2013.
50. Delivered an invited talk on "On a Class of Bivariate Gaussian Hypergeometric Distribution" in the two days National Conferences on *Statistical Theory and Applications* organized by the Department of Statistics, St. Thomas College, Pala during 15-16 March 2013 and also presented the following joint papers in the Conference.
- (i) "Intervened Stuttering Poisson Distribution" (Co-author: Shibu, D.S.)
 - (ii) "An Order k Version of Alternative Hyper-Poisson Distribution" (Co-author: Nair, B.U.).
 - (i) "Some Aspects of Three Parameter Kies Distribution" (Co-author: Dharmaja, S.H.S.)
 - (ii) "On Logarithmic Series Distribution of Order k" (Co-author: Riyaz, A.).

50. Delivered an invited talk on "*Research Methodology*" as Resource Person for the UGC sponsored Refresher Course on "*Mathematics*" conducted by the Academic Staff College, University of Kerala, during August-September 2013.
51. Delivered invited special lecture on "Research Design and Data Analysis" in a two day Lecture Series on the topic "*Research Methodology*" organized by the T.K.M.M College of Engineering, Kollam during 04 - 05 October 2013.
52. Attended and delivered an invited talk on "Some Recent Generalizations of Poisson Distribution" in the International Conference on *Fibonacci Numbers, Probability and Gambling* organized by the Department of Mathematics, All Saints' College, Trivandrum on 16 December 2013
54. Attended and delivered an invited talk on "On Certain Generalizations of Skew Normal Distribution" in the four day International Conference on *Mathematics Education and Mathematics in Engineering and Technology* organized by Mohandas College of Engineering and Technology, Trivandrum during 17-20 December 2013 and also chaired a session in the Conference. Also presented the following joint papers in the Conference.
 - (i) "An Extended Weibull Distribution and Its Properties" (Co-author: Dharmaja, S.H.S.)
 - (ii) "Certain Finite Mixtures of Intervened Stuttering Poisson Distribution" (Co-author: Shibu, D.S.)
55. Attended and delivered an Invited talk on "On Certain Generalizations of Intervened Poisson Distribution" in the International Conference on "*Recent Advances in Statistics and Their Applications*" in connection with XXXIII Annual Convention of Indian Society for Probability and Statistics (ISPS), organized by Department of Statistics, Dr Babasaheb Ambedkar Marathwada University Aurangabad during 26-28 December 2013 and also presented the joint paper entitled "On Exponentiated Kies Distribution" (Co-author: Dharmaja, S.H.S.).
56. Attended and delivered an Invited talk on "On zero-inflated logarithmic series distribution and its generalizations" in the national seminar on "Statistics for Twenty-first Century-2014" organized by the Department of Statistics, University of Kerala during 20-22 March 2014 and also presented the following joint papers in the Conference.
 - (i) "A two-piece generalized skew normal distribution" (Co-author: Anusree, M.R.)
 - (ii) "On finite mixtures of generalized intervened Poisson distribution" (Co-author: Shibu, D.S.)
 - (iii) "On a class of hyper-Poisson and alternative hyper-Poisson distributions" (Co-author: Nair, B.U.).
 - (iv) "On exponentiated reduced Kies distribution" (Co-author: Dharmaja, S.H.S.)
 - (v) "An alternative to 'the logarithmic-with-zeros distribution" (Co-author: Riyaz, A.)
 - (vi) "Modified intervened negative binomial distribution" (Co-author: Kumari, S.S.).
57. Attended and delivered an invited talk on "On zero-inflated logarithmic series distribution and its generalizations" in the national conference on "Statistics for Twenty-first Century-2014" organized by the Department of Statistics, University of Kerala during 20-22 March 2014 and presented the following joint papers in the Conference: (i) "A two-piece generalized skew normal distribution" (Co-author: Anusree, M.R.), (ii) "On finite mixtures of generalized intervened Poisson distribution" (Co-author: Shibu, D.S.), (iii) "On a class of hyper-Poisson and alternative hyper-Poisson distributions" (Co-author: Nair, B. U.), (iv) "On exponentiated reduced Kies distribution" (Co-author: Dharmaja, S.H.S.), (v) "An alternative

to "the logarithmic-with- zeros distribution" (Co-author: Riyaz, A.) and (vi) "Modified intervened negative binomial distribution" (Co-author: Kumari, S.S.).

58. Attended and delivered an invited talk on "On certain classes of two-piece skew normal distributions" in the fifth International Statistical Conference on "Challenges and Opportunities: Statistics and Society in the New Information Age" organized by the Institute of Applied Statistics Sri Lanka (IASL), Dept. of Bioinformatics and Biostatistics, University of Louisville (USA) and National Science Foundation (NSF), Sri Lanka during 28-30 December 2014 at Galadhari Hotel, Colombo, Sri Lanka.
59. Attended and delivered an invited talk on "Discrete distributions" in the national workshop on "Distribution Theory" at Department of Statistics, University of Calicut, Calicut held on 03 March 2015.
60. Delivered an invited talk on "Recent Developments in Statistics" in Department of Statistics, University of Calicut on 1 st July 2015.
61. Attended and delivered an invited talk on "On certain alternative classes of hyper-Poisson distributions" in the International Statistical Conference on "Statistics and Related Areas for Equity, Sustainability and Development (SRAESD-2015) in Conjunction with XXXV Annual Convention of Indian Society for Probability and Statistics (ISPS)" held at Department of Statistics, University of Lucknow, Lucknow, India during 28-30 November 2015 and chaired a session in the Conference.
62. Delivered an invited talk on "On Certain Generalizations of Intervened Poisson Distribution" in the International Statistical Conference on "Statistics for Twenty-first Century (ICSTC-2015)" held at Department of Statistics, University of Kerala, India during 17-19 December 2015.
63. Attended and delivered an Invited talk on "On Certain Zero - Inflated Logarithmic Series Distributions" in the Annual Conference of Kerala Statistical Association and the National Seminar on "Applied Statistical Methodology" hosted by Nirmala College, Muvattupuzha during 12-13 February 2016. Also presented the following joint papers in its contributory sessions: (1) Generalised Kumaraswamy Inverse Weibull Distribution (Co-author: Subha, R. Nair), (2) On some aspects of a bivariate alternative zero-inflated logarithmic series distribution (Co-author: A. Riyaz), (3) On Some Properties of Double Lindley distribution (Co-author: Rosmi Jose) and (4) On a generalized skew normal distribution (Co-author: Anila, G.V.)
64. Attended and delivered an Invited talk on "On Some Recently Developed Classes of Zero - Inflated Logarithmic Series Distributions" in the International Conference on "Statistics for Twenty-first Century-2016 [ICSTC-2016]" held at Park Centre, Technopark, Trivandrum, India during 21-23 December 2016. Also presented the following joint papers in its contributory sessions: (1) On Two-Piece Asymmetric Normal Distribution (Co-author: Anusree, M.R.), (2) On Exponentiated Log-Weibull distribution: properties and applications (Co-author: Subha, R. Nair), (3) On some aspects of a generalized alternative Zero-inflated Logarithmic Series distribution (Co- author: A. Riyaz), (4) Exponentiated Logistic Distribution and Related Regression Model (Co- author: Manju, L.), (5) On Some Aspects of Intervened Gegenbauer Distribution (Co-author: S. Sreejakumari), (6) The Transmuted Kies distribution: properties and applications (Co-author: Dharmaja, S.H.S.), (7) On Extended Double Lindley Distribution (Co-author: Rosmi Jose), (8) On an Extended Version of Skew Normal

Distribution (Co-author: Anila, G.V.), (9) On modified Yule distribution (Co-author: Harisankar, S.), (10) On Some Properties of Zero-Inflated Hyper Poisson Distribution (Co-author: Rakhi Ramachandran) and (11) On Some Properties of Positive hyper- Poisson Distribution (Co-author: Emil Ninan Abraham).

65. Attended and delivered an Invited talk on "On Two-piece Skew Normal Distributions" in the National Conference on "Advances in Statistical Sciences" and Annual Conference of Kerala Statistical Association, Dept of Statistical Sciences, Kannur University during 17-18 February 2017. Also presented the following joint papers in its contributory sessions: (1) On Intervened hyper-Poisson Distribution and its Properties (Co-author: Emil Ninan Abraham). (2) On Zero- inflated Alternative Hyper Poisson Distribution (Co-author: Rakhi Ramachandran) and (3) On Some Properties of Log-inverse Weibull Distribution (Co-author: Subha, R. Nair).
66. Attended and delivered an Invited talk on "On Some Bivariate Families of Discrete Distributions" in the National Seminar on "Recent Trends in Statistical Theory and Applications" held at Department of Statistics, University of Kerala during 28-30 June 2017. Also, presented the following joint papers in its contributory sessions: (1) On a Generalized Logistic Regression Model and its Applications (Co-author: Manju, L.) (2) On Log-Inverse Weibull Distribution and its Properties (Co-author: Subha, R. Nair) (3) Intervened Geometric Distribution of Order k and Some of its Properties (Co-author: Sreejakumari, S.) (4) Transmuted Inverse Kies Distribution: Properties and Applications (Co-author: S.H.S. Dharmaja) (5) The Alpha-logarithmic Series Distribution of Order k and Some of its Applications (Co-author: Riyaz, A.) (6) On Estimating the Parameters of Extended Double Lindley Distribution (Co-author: Rosmi Jose) (7) Modified Asymmetric Normal Distribution (Co-author: Anila, G.V.) (8) On Zero-Inflated Modified Hyper Poisson Distribution (Co-author: Rakhi Ramachandran) (9) On Hyper Poisson Exponential Distribution (Co-author: Satheenthar, A.S.) (10) On Some Properties of Generalized Lomax Distribution (Co-author: Linto Joseph) and (12) On Some Properties of Intervened Alternative Hyper-Poisson Distribution (Co-author: Emil Ninan Abraham).
67. Inaugurated the national seminar on "Applied Statistics and Data Analysis" and gave an invited talk on "Random Thoughts on Uncertainty" held at Govt. College, Kariavattom during 09-10 November 2017.
68. Attended and delivered an Invited talk on "On Certain Classes of Distributions of Order k " in the International Conference on "Statistics for Twenty-first Century-2017 [ICSTC-2017]" held at Park Centre, Technopark, Trivandrum, India during 14-16 December 2017. Also presented the following joint papers in its contributory sessions: (1) A flexible class of skewed plurimodal distributions: Properties and Applications (Co-author: Anusree, M.R.), (2) On Exponentiated Generalized Log-Inverse Weibull Distribution and its Properties (Co-author: Subha, R. Nair), (3) A Generalization to Zero-inflated Logarithmic Series Distribution (Co-author: A. Riyaz), (4) Alpha generalized logistic distribution and its Applications (Co-author: Manju, L.), (5) An intervened version of cluster negative binomial distribution and its properties (Co-author: S. Sreejakumari), (6) On Some Properties and Applications of Inverse Reduced Kies Distribution (Co-author: Dharmaja, S.H.S.), (7) A Two-Parameter Generalization of Double Lindley Distribution (Co-author: Rosmi Jose), (8) On Modified Asymmetric Generalized Normal Distribution (Co-author: Anila, G.V.), (9) On Modified Version of Yule Distribution and Some of its Properties (Co-author: Harisankar, S.), (10) An Alternative Version of Zero-inflated Hyper Poisson Distribution (Co-author: Rakhi Ramachandran), (11) Some Properties of Intervened Hyper-Poisson Distribution (Co-author:

Emil Ninan Abraham), (12) On an Extended Class of Generalized Hyper-Poisson Distribution, Co-author: B.U. Nair) (13). Situational Analysis of Communicable Diseases in Kerala: A Case Study with respect to Urban Poor in Trivandrum, Co- author: J. Sreeja) (14). On Estimating the Parameters of Hyper-Poisson Exponential Distribution, Co-author: Satheenthara, A.S.) (15) On Some Properties of Exponentiated Power Lomax Distribution (Co-author: Linto Joseph).

69. Presented an invited talk entitled 'Estimation of entropy for generalized exponential distribution based on record values' in the Third International Conference on Statistics for Twenty First Century 2017 held during 14-16 December 2017 organized by Department of Statistics, University of Kerala, Trivandrum.
70. Presented an invited talk entitled 'Estimation of Entropy based on Record values' in the National Seminar on Recent Trends in Statistical Theory and Applications-2017 held at Department of Statistics, University of Kerala during June 28-30, 2017.
71. Presented a paper entitled 'Morgenstern type bivariate exponential distribution' in the National Conference on Advances in Statistical Sciences held at Department of Statistical Science, Kannur University, Kerala during February 17-18, 2017.
72. Attended and delivered an Invited talk on "On Certain Intervened Type Count Data Models" in the International Conference on "Recent Advances in Statistical Methodology with Applications in Clinical & Official Statistics (ICSA 2018)" Organized by Dept of Statistics, St Thomas College, Pala in collaboration with University of Maryland, USA and CMC, Vellore held during 3-5 January 2018. Also presented the following joint papers in its contributory sessions: (1) On Some Properties and Applications of a Logistic Mixture Model (Co-author: Manju, L.) (2) On an Intervened Version of Modified Hyper-Poisson Distribution (Co-author: Emil Ninan Abraham). (3) Zero-Inflated Hermite Distribution: Properties and Applications (Co-author: Rakhi Ramachandran) and (4) On Some Aspects of a General Class of Yule Distribution and its Applications (Co-author: Harisankar, S.).
73. Attended and delivered an Invited talk on "On Certain Classes of Bivariate Count Data Models" in the International Conference on "Theory and Applications of Statistics and Information Sciences (TASIS-2018)" in conjunction with XXXVII Annual Convention of Indian Society for Probability and Statistics (ISPS) and in Association with Indian Bayesian Society (IBS) held at Bharathiyar University, Coimbatore during 5-7 January 2018. Also presented the following joint papers in its contributory sessions: (1) On Transmuted Reduced Kies Distribution (Co-author: S.H.S. Dharmaja), (2) On Certain Properties and Applications of Additive Log-Weibull Distribution (Co-author: Subha, R. Nair), (3) On an Intervened Version of Modified Alternative Hyper-Poisson Distribution (Co-author: Emil Ninan), (4) On Some Properties of Modified Asymmetric Normal Distribution (Co-author: G.V. Anila), (5) On Generalized Double Lindley Distribution and its Applications (Co-author: Rosmi Jose), (6) On Zero-Inflated Alternative Hyper Poisson Distribution and its Modification (Co-author: Rakhi Ramachandran).
74. Attended and delivered an Invited talk on "On Some Families of Stopped Sum Distributions" in the International Conference on "Changing Paradigms and Emerging Challenges in Statistical Sciences (IPECS-2018)" organized by Dept of Statistics, Pondicherry University, Puducherry in conjunction with Bi-Decennial Conference of Society of Statistics, Computer and Applications (SSCA) held during 29-31 January 2018.

75. Attended and delivered an Invited talk on "On Bivariate Stopped Sum Distributions" in the National Seminar on "Innovative Approaches in Statistics" in conjunction with Annual Conference of Kerala Statistical Association, organized by the Department of Statistics, St.Thomas College (Autonomous), Thrissur during 15-17 February 2018. Also presented the following joint papers in its contributory sessions: (1) On Some Properties of Extended Generalized Yule Distribution (Co-author: Harisankar, S.), (2) On Intervened Modified Alternative Hyper-Poisson Distribution and its Applications (Co-author: Emil Ninan), (3) On Additive Log-inverse Weibull Distribution (Co-author: Subha, R. Nair), (4) Modified Asymmetric Generalized Normal Distribution: Properties and Applications (Co-author: G.V. Anila), (5) On Generalized Double Lindley Distribution and its Properties (Co-author: Rosmi Jose), (6) On Zero-Inflated Alternative Hyper Poisson Distribution and its Generalization (Co-author: Rakhi Ramachandran).
76. Delivered an Invited talk on "Analysis of Data" in the National Seminar on "Research Methodology", organized by the Department of Psychology, University of Kerala during 15-17 February 2018.
77. Delivered an Invited talk on "Statistics as a Key Technology for Scientific Research" in the National Seminar on "Recent Trends in Statistical Sciences (RTSS-2018)" held during 29 February – 01 March 2018.
78. Attended and delivered an Invited talk on "On Some Recent Developments in the Order k Families of Discrete Distributions" in the National Seminar on "Recent Trends in Statistics" organized by the Department of Statistics, University of Calicut during 13-15 March 2018.
79. Attended and delivered an Invited talk on "On Some Recently Developed Families of Two-piece Asymmetric Normal Distributions" in the National Seminar on "Recent Trends in Statistical Theory and Applications" held at Department of Statistics, University of Kerala during 28-30 June 2018. Also, presented the following joint papers in its contributory sessions: (1) A Note on Logistic Mixture Distributions (Co-author: Manju, L.) (2) On Exponentiated Log-inverse Weibull Distribution (Co-author: Subha, R. Nair) (3) Generalised intervened geometric distribution and some of its properties (Co-author: Sreejakumari, S.) (4) On Transmuted Kies Distribution (Co-author: S.H.S. Dharmaja) (5) An Extended version of Alpha-Logarithmic Distribution (Co-author: Riyaz, A.) (6) An Alternative Laplace Distribution (Co-author: Rosmi Jose) (7) Asymmetric Curved Normal Distribution (Co-author: Anila, G.V.) (8) Some Properties of Zero-Inflated Hermite Distributions (Co-author: Rakhi Ramachandran) (9) On estimating the parameters of exponential hyper-Poisson distribution (Co-author: Satheenthara, A.S.) (10) On a Generalized Laplace Distribution (Co-author: Arathi, S.) (11) On some properties of Conway Maxwell Poisson Distribution (Co-author: Nayana, S.) (12) On Some Properties of a Modified Yule Distribution (Co-author: Harisankar, S.) (13) On a Further Extension of Generalized Hyper-Poisson Distribution (Co-author: Nair, B.U.) and (14) Some Properties of Modified Intervened Hyper-Poisson Distribution (Co-author: Emil Ninan Abraham).
80. Delivered an invited talk on "Beyond Poisson Distribution" in a Lecture Series conducted at Dept of Statistics, Govt. Arts & Science College, Meenchanda, Kozhikode-673 018 on 04 October 2018.
81. Participated and gave an invited talk on "On Bivariate Discrete Families of Distributions" in National Conference on "Advances in Statistical Methods" at Department of Statistical Sciences, Kannur University during 08-10 November 2018.

82. Participated and gave an invited talk on "On Generalized Logistic Models and Their Applications" in the Fourth International Conference on "Statistics for Twenty First Century-2018 (ICSTC-2018)" organized by the Department of Statistics, University of Kerala during 13-15 December 2018 at SP GRAND DAYS Hotel, Trivandrum. Also, presented the following joint papers in its contributory sessions: (1) On a Two-Tailed Lindley Distribution (Co-author: Rosmi Jose), (2) An Alternative to Generalized Yule Distribution (Co-author: Harisankar, S.), (3) Gamma Generalized Logistic Distribution: Properties and Applications (Co-author: Manju L), (4) Some Results in Two-Piece Normal and Two-Piece Logistic Distributions (Co-author: Jino Nainan), (5) A New Generalization to Kies Distribution (Co- author: S.H.S. Dharmaja), (6) On Intervened Generalized Negative Binomial Distribution (Co-author: Sreejakumari, S.), (7) An Intervened version of Extended Alternative hyper- Poisson Distribution and its Properties (Co-author: Emil Ninan), (8) On some properties of Asymmetric Curved Normal Distribution(Co-author: G.V. Anila), (9) On the Estimation of Parameters of an Exponentiated version of the Log-Inverse Weibull Distribution(Co-author: Subha, R. Nair), (10) A Generalization of Exponential Hyper-Poisson Distribution(Co-author: Satheenthar, A.S.), (11) On Modified Alpha-logarithmic Series Distribution(Co-author: Riyaz, A.), (12) Some Properties of Zero-Inflated Hermite Distribution and its Generalization(Co-author: Rakhi Ramachandran), (13) On Some Aspects of Conway Maxwell Poisson Distribution(Co-author: Nayana, S.), (14) On a General Class of Laplace Distribution(Co-author: Arathi, S.) and (15) On the Likelihood Ordering and Tail Behaviour of Certain Classes of Skew Normal Distributions(Co-author: Anusree, M.R.).
83. Participated and gave an invited talk on "On Certain Bivariate Discrete Models" in the International Conference on "Numerical Analysis, Computing & Applications in Science, Engineering and Technology (ICNumACA'2018)" organized by Department of Mathematics, Mohandas College of Engineering and Technology, Nedumangad, Trivandrum during 17-20 December 2018.
84. Participated and gave an invited talk on "Families of Discrete Distributions of Order k" in the International Conference on "Emerging Innovations in Statistics & Operations Research" in conjunction with 38 th Annual Convention of Indian Society for Probability and Statistics (ISPS) and 4 th Convention of Indian Society for Reliability and Statistics (IARS) held at M.D. University, Rohtak during 27-30 December 2018.
85. Attended and delivered an Invited talk on "On Certain Intervened Type Count Data Models" in the International Conference on "Recent Advances in Statistical Methodology with Applications in Clinical & Official Statistics (ICSA 2018)" Organized by Dept of Statistics, St Thomas College, Pala in collaboration with University of Maryland, USA and CMC, Vellore held during 3-5 January 2018. Also presented the following joint papers in its contributory sessions: (1) On Some Properties and Applications of a Logistic Mixture Model (Co-author: Manju, L.) (2) On an Intervened Version of Modified Hyper- Poisson Distribution (Co-author: Emil Ninan Abraham). (3) Zero-Inflated Hermite Distribution: Properties and Applications (Co-author: Rakhi Ramachandran) and (4) On Some Aspects of a General Class of Yule Distribution and its Applications (Co-author: Harisankar, S.).
86. Attended and delivered an Invited talk on "On Certain Classes of Bivariate Count Data Models" in the International Conference on "Theory and Applications of Statistics and Information Sciences (TASIS-2018)" in conjunction with XXXVII Annual Convention of Indian Society for Probability and Statistics (ISPS) and in Association with Indian Bayesian Society (IBS) held at Bharathiyar University, Coimbatore during 5- 7 January 2018. Also presented the following joint papers in its contributory sessions: (1) On Transmuted Reduced Kies

Distribution (Co-author: S.H.S. Dharmaja), (2) On Certain Properties and Applications of Additive Log-Weibull Distribution (Co-author: Subha, R. Nair), (3) On an Intervened Version of Modified Alternative Hyper-Poisson Distribution (Co-author: Emil Ninan), (4) On Some Properties of Modified Asymmetric Normal Distribution (Co-author: G.V. Anila), (5) On Generalized Double Lindley Distribution and its Applications (Co-author: Rosmi Jose), (6) On Zero-Inflated Alternative Hyper Poisson Distribution and its Modification (Co-author: Rakhi Ramachandran).

87. Attended and delivered an Invited talk on "On Some Families of Stopped Sum Distributions" in the International Conference on "Changing Paradigms and Emerging Challenges in Statistical Sciences (IPECS-2018)" organized by Dept of Statistics, Pondicherry University, Puducherry in conjunction with Bi-Decennial Conference of Society of Statistics, Computer and Applications (SSCA) held during 29-31 January 2018.
88. Attended and delivered an Invited talk on "On Bivariate Stopped Sum Distributions" in the National Seminar on "Innovative Approaches in Statistics" in conjunction with Annual Conference of Kerala Statistical Association, organized by the Department of Statistics, St.Thomas College (Autonomous), Thrissur during 15-17 February 2018. Also presented the following joint papers in its contributory sessions: (1) On Some Properties of Extended Generalized Yule Distribution (Co-author: Harisankar, S.), (2) On Intervened Modified Alternative Hyper-Poisson Distribution and its Applications (Co-author: Emil Ninan), (3) On Additive Log-inverse Weibull Distribution (Co-author: Subha, R. Nair), (4) Modified Asymmetric Generalized Normal Distribution: Properties and Applications (Co-author: G.V. Anila), (5) On Generalized Double Lindley Distribution and its Properties (Co-author: Rosmi Jose), (6) On Zero-Inflated Alternative Hyper Poisson Distribution and its Generalization (Co-author: Rakhi Ramachandran).
89. Delivered an Invited talk on "Analysis of Data" in the National Seminar on "Research Methodology", organized by the Department of Psychology, University of Kerala during 15-17 February 2018.
90. Delivered an Invited talk on "Statistics as a Key Technology for Scientific Research" in the National Seminar on "Recent Trends in Statistical Sciences (RTSS-2018)" held during 29 February – 01 March 2018.
91. Attended and delivered an Invited talk on "On Some Recent Developments in the Order k Families of Discrete Distributions" in the National Seminar on "Recent Trends in Statistics" organized by the Department of Statistics, University of Calicut during 13-15 March 2018.
92. Attended and delivered an Invited talk on "On Some Recently Developed Families of Two-piece Asymmetric Normal Distributions" in the National Seminar on "Recent Trends in Statistical Theory and Applications" held at Department of Statistics, University of Kerala during 28-30 June 2018. Also, presented the following joint papers in its contributory sessions: (1) A Note on Logistic Mixture Distributions (Co-author: Manju, L.) (2) On Exponentiated Log-inverse Weibull Distribution (Co-author: Subha, R. Nair) (3) Generalised intervened geometric distribution and some of its properties (Co- author: Sreejakumari, S.) (4) On Transmuted Kies Distribution (Co-author: S.H.S. Dharmaja) (5) An Extended version of Alpha-Logarithmic Distribution (Co-author: Riyaz, A.) (6) An Alternative Laplace Distribution (Co-author: Rosmi Jose) (7) Asymmetric Curved Normal Distribution (Co-author: Anila, G.V.) (8) Some Properties of Zero-Inflated Hermite Distributions (Co-author: Rakhi Ramachandran) (9) On estimating the parameters of exponential hyper-Poisson distribution

(Co-author: Satheenthar, A.S.) (10) On a Generalized Laplace Distribution (Co-author: Arathi, S.) (11) On some properties of Conway Maxwell Poisson Distribution (Co-author: Nayana, S.) (12) On Some Properties of a Modified Yule Distribution (Co-author: Harisankar, S.) (13) On a Further Extension of Generalized Hyper-Poisson Distribution (Co-author: Nair, B.U.) and (14) Some Properties of Modified Intervened Hyper-Poisson Distribution (Co-author: Emil Ninan Abraham).

93. Delivered an invited talk on "Beyond Poisson Distribution" in a Lecture Series conducted at Dept of Statistics, Govt. Arts & Science College, Meenchanda, Kozhikode- 673 018 on 04 October 2018.
94. Participated and gave an invited talk on "On Bivariate Discrete Families of Distributions" in National Conference on "Advances in Statistical Methods" at Department of Statistical Sciences, Kannur University during 08-10 November 2018.
95. Participated and gave an invited talk on "On Generalized Logistic Models and Their Applications" in the Fourth International Conference on "Statistics for Twenty First Century-2018 (ICSTC-2018)" organized by the Department of Statistics, University of Kerala during 13-15 December 2018 at SP GRAND DAYS Hotel, Trivandrum. Also, presented the following joint papers in its contributory sessions: (1) On a Two-Tailed Lindley Distribution (Co-author: Rosmi Jose), (2) An Alternative to Generalized Yule Distribution (Co-author: Harisankar, S.), (3) Gamma Generalized Logistic Distribution: Properties and Applications (Co-author: Manju L), (4) Some Results in Two-Piece Normal and Two-Piece Logistic Distributions (Co-author: Jino Nainan), (5) A New Generalization to Kies Distribution (Co-author: S.H.S. Dharmaja), (6) On Intervened Generalized Negative Binomial Distribution (Co-author: Sreejakumari, S.), (7) An Intervened version of Extended Alternative hyper-Poisson Distribution and its Properties (Co-author: Emil Ninan), (8) On some properties of Asymmetric Curved Normal Distribution (Co-author: G.V. Anila), (9) On the Estimation of Parameters of an Exponentiated version of the Log-Inverse Weibull Distribution (Co-author: Subha, R. Nair), (10) A Generalization of Exponential Hyper-Poisson Distribution (Co-author: Satheenthar, A.S.), (11) On Modified Alpha-logarithmic Series Distribution (Co-author: Riyaz, A.), (12) Some Properties of Zero-Inflated Hermite Distribution and its Generalization (Co-author: Rakhi Ramachandran), (13) On Some Aspects of Conway Maxwell Poisson Distribution (Co-author: Nayana, S.), (14) On a General Class of Laplace Distribution (Co-author: Arathi, S.) and (15) On the Likelihood Ordering and Tail Behaviour of Certain Classes of Skew Normal Distributions (Co-author: Anusree, M.R.).
96. Participated and gave an invited talk on "On Certain Bivariate Discrete Models" in the International Conference on "Numerical Analysis, Computing & Applications in Science, Engineering and Technology (ICNumACA'2018)" organized by Department of Mathematics, Mohandas College of Engineering and Technology, Nedumangad, Trivandrum during 17-20 December 2018.
97. Participated and gave an invited talk on "Families of Discrete Distributions of Order k" in the International Conference on "Emerging Innovations in Statistics & Operations Research" in conjunction with 38 th Annual Convention of Indian Society for Probability and Statistics (ISPS) and 4 th Convention of Indian Society for Reliability and Statistics (IARS) held at M.D. University, Rohtak during 27-30 December 2018.

98. Delivered a talk on "On Certain Wide Classes of Univariate Discrete Models" in the International Conference on "Recent Trends in Stochastic Modelling and its Applications" organized by Dept. of Statistics, M.S. University, Tirunelveli during 09-11 January 2020.
99. Nominated as a Member of the Advisory Committee of the National Conference on "Recent Developments in Applied Statistics" organized by Dept. of Statistics, Madras Christian College (Autonomous), Chennai during 13-14 February 2020.
100. Nominated as a Member of the Advisory Committee of the National Seminar on "Advanced Developments in Statistical Theory and Applications" and workshop on "Data Science" organized by Dept. of Statistics, Christ College (Autonomous), Irinjalakuda, Thrissur during 26-29 February 2020.
101. Delivered a talk on "Two Piece Skew Normal Distributions: A Journey Beyond Normality" in the National Seminar on "Advanced Developments in Statistical Theory and Applications" organized by Dept. of Statistics, Christ College (Autonomous), Irinjalakuda, Thrissur during 28-29 February 2020.
102. Delivered a talk on "On Certain Broad Families of Count Data Models" in the National Webinar on "Recent Trends in Statistical Theory and Applications (NSSTA-2020)" held during 29 June – 01 July 2020.
103. Delivered an invited talk on "On Two-piece Skew Normal Distributions and Their Generalizations" in the International Webinar on "Advances in Statistics and Data Science for Sustainable Human Development" in conjunction with Prof. C.R. Rao Birth Centenary Celebrations, organized by Indian Society for Probability and Statistics (ISPS) and Department of Statistics, S.V. University, Tirupati held during 07-10 September 2020 and chaired an invited session in the conference.
104. Handled two sessions on "Probability and Distributions" in the UGC-HRDC sponsored Refresher Programme for University/College Teachers in Mathematics/Statistics, organized by University of Madras, Chennai on 14 October 2020.
105. As the President of Kerala Statistical Association (KSA), (i) organized a National Webinar of "Statistics and Data Analytics: The Emergence of a New Paradigm" On 17 October 2020 and (ii) conducted an Online Statistics Quiz Competition on 16 October 2020 at three levels as a part of the World Statistics Day Celebrations 2020.
106. Delivered a talk in the National Webinar on "Asymmetric Normal Distributions" organized by Dept. of Statistics, Telangana Social Welfare Residential Degree College for Women, Khammam, Telangana on 20 October 2020.
107. Delivered a talk on "Statistics: The King of Science" in the National Webinar organized by Dept. of Statistics, Govt. Women's College, Trivandrum during 20-22 October 2020.
108. Handled two sessions on "Recent Developments in Statistical Distribution Theory" in the UGC-HRDC sponsored Refresher Programme for University/College Teachers in Mathematics/Statistics, organized by Bharathiar University, Coimbatore on 26 November 2020.

109. Delivered a talk on "Some Random Thoughts on Uncertainty" in the AICTE-KTU Student Induction Programme 2020, organized by Vedavyasa Institute of Technology in association with Kerala Technical University during 30.11.2020 to 05.12.2020 via virtual platform.
110. Delivered a talk on "On Zero-inflated Logarithmic Series Distribution and its Related Versions" in the International Virtual Conference on "Statistics for Twenty-first Century (ICSTC 2020)" organized by Dept. of Statistics, University of Kerala during 16-19 December 2020.
111. Chaired an invited session in the international virtual conference on "Statistical Techniques in Business and Industrial Statistics" organized by Dept. of Statistics, CUSAT during 28-30, December 2020.
112. Participated and gave an invited talk on "On Generalized Logistic Models" in the International Conference on "Fifth International Webinar on Recent Trends in Statistical Theory and Applications-2021 (WSTA- 2021)" conducted by Indian Society for Probability and Statistics (ISPS), Kerala Statistical Association (KSA) and the Department of Statistics, University of Kerala, Trivandrum during June 29 - July 02, 2021.
113. Participated and gave an invited talk on "A Journey Beyond Standard Bivariate Discrete Models" in the NATIONAL WEBINAR ON THE RECENT DEVELOPMENTS IN STATISTICS AND PROBABILITY – 2021" conducted by Department of Statistics, St. Thomas College (Autonomous), Thrissur, during 18-19 February 2021.
114. Participated and gave an invited talk on "Probability and Normality, and Discourses" in the Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya Wardha, Maharashtra" conducted by School of Education Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Maharashtra Department of Education, University of Kerala, Thiruvananthapuram, 10.03.2021.
115. Participated and gave an invited talk on "On hyper-Poisson related distributions" in the International Conference on "Recent Innovations in Statistical Methods and Applications-RISMA-2021" conducted by Department of Statistics in association with IQAC Christ College, Irinjalakuda. during 23 and 25 February, 1,3, 5 March 2021.
116. Chaired an invited session in the International Seminar on Data Science and Information Processing organized by Department of Computer Science, University of Kerala during 22-24 November 2021.
117. Participated and gave an invited talk on "Statistics; The King of Science" in the FOCUS-2021 conducted by Department of Statistical Sciences, Kannur University, 13 November 2021.
118. Participated and delivered an invited talk on "Certain Alternative Classes of Hyper Poisson Family of Distributions" in the International Conference on Mathematics, Statistics and Data Science (ICMSDS 2022) conducted by School of Mathematics and Statistics & School of Data Analytics, Mahatma Gandhi University, Kottayam during 26-27 February 2022.
119. Participated and delivered an invited talk on "A Journey Beyond Standard Bivariate Discrete Models" in the International Conference on Statistics and Data Science: Theory and Practice for Progress and Prosperity in conjunction with 41st Annual Convention of Indian

Society for Probability and Statistics held during 11-13 March 2022 and chaired two sessions

120. Participated and delivered an invited talk on "Yule Distribution and its Generalizations" in the National Conference Recent Innovations in Statistical Methods and its Applications in Business and Industry (RISABI 2022) in conjunction with 43rd Annual Conference of the Kerala Statistical Association held during 18-19 March 2022.

Contributions to the Department as Professor and Head (Not complete)

- I. Initiated a new Masters Programme in Applied Statistics and Data Analytics (first of its kind in the state). The first batch passed out during 2021 and all the students got placement in well-known companies like Infosys, Wipro etc
- II. Demand Ratio of the M.Sc. Statistics Programme in 2014 is 4.267:1 which increased to 45:1 in 2020 whereas the demand ratio of the M.Sc. Applied Statistics and Data Analytics program in 2019 (beginning year) was 22:1 which increased to 32:1 in 2020.
- III. The publication per faculty member per year increased from 6 in 2014-2015 to 15 in 2019-2020 as a consequence of the academic exposure achieved through the conduct of National/International Academic events during this period.
- IV. Taken initiative to institute several endowment awards. Some of them are:
 - i) Professor A.M Mathai Endowment Award for the best thesis (National level competition)
 - ii) Professor C.R Rao and Bhargavi Rao Gold Medal for First rank holder in M.Sc. Statistics Programme
 - iii) Professor K. Kalyanaraman Gold medal for First Rank holder in M.Sc. Applied Statistics and Data Analytics Degree Programme
 - iv) Professor K. Kalyanaraman Silver medal for Second Rank holder in M.Sc. Applied Statistics and Data Analytics Degree Programme
 - v) Professor K. Kalyanaraman Brass medal for Third Rank holder in M.Sc. Applied Statistics and Data Analytics Degree Programme
 - vi) Professor T.S.K. Moothathu Endowment Award
 - vii) Professor R. Krishna Pillai Endowment Award
 - viii) Professor R.N. Pillai Endowment Award
 - ix) Professor P.C Mahalanobis Quiz Competition

Taken Initiative to institute the following awards for encouraging the research scholars. Its competition is usually conducted as the part of ICSTC conference during December every year:

- x) Professor U.S. Nair Best Paper Presentation Award for the year
- xi) Professor Aleyamma George Best Paper Presentation Award.
- xii) Professor R. Krishna Pillai Best Paper Presentation Award.
- xiii) Professor P.S.J. Nayar Best Paper Presentation Award.
- xiv) Professor Jacob Sundara Raja Best Paper Presentation Award.
- xv) Professor R.N. Pillai Best Paper Presentation Award.

V. Initiated MoUs with

1. Georgian Technical University, Georgia
2. Cognub Decision Solutions Pvt. Ltd., Technopark, Trivandrum
3. Rutgers School of Public Health, University of New Jersey, USA (final stage)

VI. Organized several International/ National level Conferences/Workshops/ training programmes with world renowned Statisticians for motivating young researchers and students.

2015

1. Jointly with PG Board of Studies (in Statistics), organized a two day workshop for revising the syllabus of M.Sc. (Statistics) degree programme offered in affiliated colleges of University of Kerala during 20-21 March 2015 (80 participants).
2. Organised an event to celebrate the Indian Statistics Day on 29 June 2014 by conducting a regional seminar on "Official Statistics" (70 participants).
3. Organized a regional level One day seminar on 20.10.2015 in connection with the World Statistics Day Celebrations (Details available in UN website: <https://worldstatisticsday.org/blog.html?c=IND>). (70 participants).
4. Organized an International Workshop on "Distribution Theory" during 14–16 December 2015 at the department seminar hall (100 participants).
5. Involved in the organization of a multidisciplinary seminar on "Challenges in Basic Science Research" by School of Physical and Mathematical Sciences on 16 December 2015 at Physics Seminar Hall, in connection with the Multidisciplinary seminar organized by University of Kerala during 13-17 December 2015.
6. Organized an International Conference on "Statistics for Twenty-first Century [ICSTC-2015]" during 17–19 December 2015 at SP GRAND DAYS HOTEL, Trivandrum in collaboration with American Statistical Association (ASA). (300 participants)

2016

7. Organised an event to celebrate "National Statistics Day" on 29 June 2016 by conducting a regional seminar with key-note addresses on "Statistics as an Inevitable Technology" and "Poverty Measurements" (70 participants).
8. Organized a National level six days workshop on "Statistical Computing" during 14-19 November 2016 (90 participants).
9. Organized an International Workshop on "Distribution Theory and its Applications" during 19–20 December 2016 at the department seminar hall (60 participants).
10. Organized an International Conference on "Statistics for Twenty-first Century [ICSTC-2016]" during 21–23 December 2016 at Park Centre, Technopark, Trivandrum (200 participants). This conference was inaugurated by Hon'ble Governor of Kerala Shri. Justice P. Sathasivam (Former Chief Justice of India) in collaboration with American Statistical Association.

2017

11. Organized a three day National Seminar on "*Recent Trends in Statistical Theory and Applications*" during 28-30 June 2017 in connection with "National Statistics Day" Celebrations, department has.
12. Organized a National level one week workshop on "Statistical Methods for Data Analysis Using R" during 23-28 October 2017 (100 participants).
13. Organized an International Workshop on "Distribution Theory and its Related Areas" during 11-13 December 2017 at the department seminar hall (70 participants).
14. Organized a Commemorative Sessions in honour of Professor U.S. Nair, Professor Aleyamma George, Professor R. Krishna Pillai, Professor R. Ramakumar, Professor P.S.J. Nayar, Professor Jacob Sundara Raja, Professor R.N.Pillai, Professor J. Rajasekharan Nair and Professor T.K.S. Unnithan (former faculties of the department) during the International Statistical Conference: ICSTC 2017. Published a Souvenir in connection with the Third International Conference on "Statistics for Twenty-first Century-2017 [ICSTC-2017] held during 14-16 December 2017" with support from American Statistical Association (ASA). This International Conference was inaugurated by world renowned statistician Professor N. Balakrishnan, Distinguished University Professor, McMaster University, Canada.
15. International Conference on "Statistics for Twenty-first Century-2017 [ICSTC-2017] held during 14-16 December 2017" with support from American Statistical Association (ASA).

2018

16. Organized a National Seminar on "Recent Trends in Statistical Sciences" during 28 February – 01 March 2018 in connection with "National Science Day" Celebrations of 2018, (100 participants).
17. Organized a three day National Seminar on "Recent Trends in Statistical Theory and Applications" during 28-30 June 2018. This Seminar was inaugurated by Smt. Sunitha Bhaskar, ISS [Director and Regional Head of South Indian Region, National Sample Survey Office (NSSO), Trivandrum] on 28 June 2018 at 10.00 am. In connection with "National Statistics Day" Celebrations, (150 participants).
18. Organized a National level one week workshop on "Statistical Methods for Data Analysis Using R" during 10-15 September 2018 (100 participants).
19. Organized an International Workshop on "Distribution Theory and its Applications" during 10-12 December 2018 at the department seminar hall (80 participants).
20. Organized an International Conference on "Statistics for Twenty-first Century [ICSTC-2018]" during 13-15 December 2018 at SP GRAND DAYS Hotel, Trivandrum with support from American Statistical Association (ASA). (220 participants). This conference was inaugurated by Professor Rajan Gurukkal, Vice-Chairman, Kerala State Higher Education Council, Govt. of Kerala.

2019

21. In connection with "National Science Day" Celebrations of 2019, organized a three day National Seminar on "Recent Trends in Statistical Sciences (RTSS-2019)" in conjunction with 40th Annual Conference of Kerala Statistical Association (KSA) during 07-09 March 2019. This conference

was inaugurated by Hon'ble Pro-Vice Chancellor Professor (Dr) Ajayakumar, P.P. of University of Kerala. (150 participants).

22. In connection with "National Statistics Day" Celebrations, organized a three day National Seminar on "*Recent Trends in Statistical Theory and Applications*" during 27-29 June 2019. This Seminar was inaugurated by Dr A. Bijukumar, Dean, Faculty of Science on 27 June 2019 at 10.00 am. (150 participants).
23. Organized a National level one week workshop on "Statistical Methods for Data Analysis Using R and PYTHON" during 23-27 September 2019. (100 participants).
24. Organized an International Workshop on "Distribution Theory and its Applications" during 16-17 December 2019 at the department seminar hall (100 participants).
25. Organized an International Conference on "Statistics for Twenty-first Century [ICSTC-2019]" during 18-20 December 2019 at Dept of Statistics, University of Kerala, Trivandrum with support from American Statistical Association (ASA). (220 participants). This conference was inaugurated by Hon'ble Pro-Vice Chancellor Professor (Dr) Ajayakumar, P.P. of University of Kerala.

2020

26. Conducted 12th Statistics Olympiad 2020 Kerala region in this department on 19 January 2020 in association with C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Science, Hyderabad.
27. In connection with "National Science Day" Celebrations of 2020, organized Lecture Series on the topic "Multivariate Techniques" by Dr A.M. Mathai, Emeritus Professor, McGill University, Canada on 13 February 2020.
28. Organised National Webinar on "Recent Trends in Statistical Theory and Applications (WSTA-2020)" held during 29 June – 01 July 2020. This may be first of its kind, conducted as online mode during the first lockdown period (due to covid 19) more than 2000 registered participants and speakers from all over the world.
29. In connection with "Platinum Jubilee Year of the Department" organized Lecture Series on several topics by experts from various parts of the Globe. (i) Talk on "Breast Cancer among South Asians in United States-SEER based Study" by Dr Jaya Satagopan, Professor, Dept of Biostatistics and Epidemiology, Rutgers School of Public Health, Rutgers, The State University of New Jersey., USA on 21.09.2020 (ii) Talk on "Basics of Structural Equation Modeling" by Dr G. Arivarignan, D.Sc., FRSS, Former Head and Senior Professor at Madurai Kamaraj University, Madurai on 20.10.2020 (iii) Talk on "Parametric Models for Analysing Discrete Data" by Dr Violetta E. Piperigou, Professor, University of Patras, Greece on 20.10.2020 (iv) Talk on "Balanced Designs" by Dr D.K. Ghosh, FRSS Founder Professor and Head of Dept of Statistics, Saurashtra University, Gujarat held on 27.11.2020
30. Organized a workshop on "Statistical Data Analysis in R using STATCRAFT" on 04 December 2020
31. Arranged an Interaction Programme with Professor K. Kalyanaraman, Dr G. Lesitha, Mr Yasir, ISS, Dr Jagathnath Krishna (RCC, Trivandrum), Mr Zubin Abraham (Cognub Decisions Pvt Ltd), Ms Neethu Babu (Cognub Decisions Pvt Ltd) and Mr Kishore, M (Cognub Decisions Pvt Ltd)

during November 2020 in connection with the induction programmes of the First Semester MSc students.

32. In connection with "National Science Day" Celebrations of 2020, conducted a National Level Quiz programme to graduate students on 27.02.2020.
33. Organised Commemorative Sessions in honour of Professor U.S Nair, Professor Aleyamma George, Professor R. Krishna Pillai, Professor R. Ramakumar, Professor P.S.J Nayar, Professor Jacob Sundara Raja, Professor R.N. Pillai, Professor J. Rajasekharan Nair and Professor T.K.S Unnithan (former faculties of this department), Professor A.M. Mathai and Professor C.R. Rao (world renowned Statisticians) during the International Conference: ICSTC 2020
34. Organized an International Conference on "Statistics for Twenty-first Century [ICSTC-2020]" during 13–15 December 2020 in collaboration with American Statistical Association (ASA). (more than 1000 registered participants and more than 200 foreign delegates). This conference was inaugurated Professor N Balakrishnan, Distinguished University Professor, McMaster University, Canada .In collaboration with American Statistical Association (ASA). [Click for more information](#)

Contributions to the University as Director, School of Physical and Mathematical Sciences (Not complete)

1. Organized Fifth International Webinar on Recent Trends in Statistical Theory and Applications-2021(WSTA 2021) as its Chairman/Convenor during 29 June – 02 July 2021 jointly with Indian Society for Probability and Statistics (ISPS), Kerala Statistical Association (KSA). [Click for more information.](#)
2. Organized Professor P.C. Mahalanobis Quiz Competition at a National level as part of the WSTA 2021 International Conference.
3. Organized an International Conference on "Emerging Trends in Statistics and Data Science" in conjunction with 40th Annual Convention of Indian Society for Probability and Statistics (ISPS) as its joint Organizing Secretary during 07 – 10 September 2021 jointly with Dept of Statistics of CUSAT(Cochin), MD University (Rohtak), Bharathiar University (Coimbatore) and The Madurai College (Autonomous).
4. Organized Seventh International Workshop on "Distribution Theory and its Applications" as its Chairman/Convenor during 13 -14 December 2021 jointly with International Statistics Fraternity.
5. Organized Seventh International Conference on "Statistics for Twenty-first Century-2021 (ICSTC 2021)" as its Chairman/Convenor during 15 -19 December 2021 jointly with International Statistics Fraternity (ISF), Kerala Statistical Association. [Click for more information](#)
6. Organized best PhD research thesis presentation award at the national level in the name of "Professor T.S.K. Moothathu Young Statistician Award" for the third time for the year 2021 among the applicants of researchers below 40 years of age in India who have been awarded their PhD's during 2019-2021 period, as part of the ICSTC 2021 International Conference.

7. Organized six Best Paper Presentation Awards in honour of Professor U.S. Nair, Professor Aleyamma George, Professor R. Krishna Pillai, Professor P.S.J. Nayar, Professor Jacob Sundara Raja and Professor R.N. Pillai as part of the ICSTC 2021 International Conference.
8. Acted as the Programme Coordinator for the International Conference on "Statistics and Data Science: Theory and Practice for Progress and Prosperity (ICSIDS-2022)" in conjunction with 41st Annual Convention of Indian Society for Probability and Statistics (ISPS) to be held during 11 -13 March 2022, organizing by Osmania University, Hyderabad.
9. Conducted a one week workshop during 05-11 February 2021 for syllabus revision of MSc Statistics Programme of Colleges affiliated to University of Kerala as the Chairman of PG Board of Studies in Statistics.
10. Organized an International Webinar in connection with National Science Day celebrations 2022 on 28 February 2022.

Contributions to the Nation / State [Not Complete]

1. Advisor to Union Public Service Commission, UPSC, New Delhi (Govt. of India)
2. Advisor Kerala Public Service Commission, KPSC, Trivandrum (Govt. of Kerala)
3. Involved in the construction of new methodology for standardization of entrance marks of students from various boards of education as one of the member of the standardization Committee of Statisticians Nominated by Government of Kerala.
4. Involved as Statistician in several standardization Committees of Kerala Public Service Commission.
5. As the Head of the Department, adopted Govt. UPS, Kariavatom and have done several academic activities for the betterment of mathematics education of the students in the school.
6. Involved as a member of the Technical Advisory Committee for the implementation of the Cloud Seeding Programme-Kerala State Electricity Board Ltd(KSEBL).
7. Expert Group Member, State Planning Board, Govt. of Kerala
8. Ex-officio Member, State Agricultural Prices Board (SAPB), Govt. of Kerala
9. Research Advisor, KIRTADAS, Kozhikode, Govt. of Kerala, 2016 Onwards

Contributions to statistics fraternity as President, Kerala Statistical Association [Not Complete]

1. Organized several international/national level conferences and workshops including the observance of world statistics day celebrations
2. Organized Birth anniversary celebrations of Prof US Nair on 22 January 2022
3. Initiated an online training programme on "Data Analytics using R" during April/May 2022 as a Certificate Programme
4. Initiated necessary steps to transform the journal of Kerala Statistical Association and initiated a website for the association

Refereeing Work:

Referee for the following journals [list is not complete]

- (1) "Communications in Statistics-Theory and Methods" (Taylor & Francis journal) published from USA,
- (2) "Journal of Statistical Computation and Simulation" (Taylor & Francis journal) published from USA,

- (3) "Acta Applicanda Mathematicae" (Springer journal) published from The Netherlands etc. and referee for several journals published from Kerala.
- (4) "Statistics: A Journal of Theoretical and Applied Statistics" (Taylor & Francis journal) published from UK
- (5) "Journal of Probability and Statistical Sciences" (Nova Publishers) published from Taiwan
- (6) "Sri Lankan Journal of Applied Statistics"
- (7) "Bulletin of Malaysian Mathematical Sciences Society"
- (8) "Pakistan Journal of Statistics and Operations Research"
- (9) "PROBSTAT FORUM" published from India.
- (10) "Journal of Engineering and Computer Innovations (JECI)" (www.academicjournals.org/JECI).
- (11) "Journal of Kerala Statistical Association" published from Kerala, India.
- (12) "Janasankhya" published from Kerala, India.
- (13) "Journal of Applied Statistics" (Taylor & Francis journal) published from USA.
- (14) "Communications in Statistics - Simulation and Computation" (Taylor & Francis journal) published from USA,
- (15) "IEEE Transactions on Reliability"
- (16) "Computational Statistics" (Springer)
- (17) "Biometrics and Biostatistics Journal" (Juniper Publishers)
- (18) "Aligarh Journal of Statistics" published from Aligarh Muslim University, India.
- (19) "Statistica" published from Italy

Conferences/Seminars/Workshops/Training Programmes/Lecture Series/Webinar/Quiz Programmes etc. Organized [Not Complete]:

1. **Treasurer**, three day **national seminar** on 'Kerala Statistics Congress' held during 23-25 June 2003 at Department of Statistics, University of Kerala, Trivandrum.
2. **Treasurer**, one day **work shop** on 'Bio-informatics' held on 26 June 2003 at Department of Statistics, University of Kerala, Trivandrum.
3. **Treasurer**, one day **conference** on 'On the Life and Contributions of the Great Indian Statistical Missionary and Visionary: P.C. Mahalanobis' held on 27 June 2003 at Department of Statistics, University of Kerala, Trivandrum.
4. **Organizing Secretary**, three day **national seminar** on "Stochastic Process Modeling, Distribution Theory and Order Statistics" held during 16-18 March 2006 at Department of Statistics, University of Kerala, Trivandrum. This seminar was sponsored by University of Kerala, Department of Science and Technology, New Delhi and the National Board for Higher Mathematics, Mumbai.
5. **Organizing Secretary**, one day **national conference** on "Applications of Statistics in New Frontiers of Science" held on 17 May 2008 at Department of Statistics, University of Kerala, Trivandrum. This seminar was sponsored by University of Kerala.
6. **Quiz Master**, Quiz competition Programme organized by the Department of Statistics, University of Kerala jointly with National Sample Survey Organization (NSSO), Govt. of India to Statistics students (P.G. & U.G.) of University of Kerala on 25 June 2008.
7. **Quiz Master**, Quiz competition Programme organized by the Department of Statistics, University of Kerala jointly with Kerala Statistical Association (KSA) to Under Graduate Statistics students of University of Kerala Region on 22 January 2009.
8. **Quiz Master**, Quiz competition Programme organized by the Department of Statistics, University of Kerala jointly with National Sample Survey Organization (NSSO), Govt. of India to Statistics students (P.G. & U.G.) of University of Kerala on 25 June 2009.
9. **Organizing Secretary**, three day **national seminar** on "Statistics for Twenty-first Century" held during 17-19 March 2011 at Department of Statistics, University of Kerala, Trivandrum.

This seminar was sponsored by University of Kerala, Department of Science and Technology, New Delhi, the National Board for Higher Mathematics, Mumbai, Central Statistical Organization (Govt. of India), New Delhi and Council of Scientific & Industrial Research, Govt. of India.

10. **Quiz Master**, Quiz competition Programme organized by the National Sample Survey Organization (NSSO), Govt. of India to Statistics students (P.G. & U.G.) of University of Kerala on 25 June 2011 in connection with the 'Statistics Day Celebrations-2011'.
11. **Course Co-ordinator**, Refresher Programme on "Statistics and Research Methods" for College/University teachers held during 24 November 2011 to 15 December 2011 at Academic Staff College (ASC), University of Kerala, Trivandrum.
12. **Quiz Master**, Quiz competition Programme organized by the Dept. of Statistics, University of Kerala to Statistics students (P.G.) of University of Kerala on 29 June 2012 in connection with the 'Statistics Day Celebrations-2012'.
13. **Course Co-ordinator**, Refresher Programme on "Statistics and Research Methods" for College/University teachers to be held during 21 November 2012 to 11 December 2012 at Academic Staff College (ASC), University of Kerala, Trivandrum.
14. **Organizing Secretary**, three day **national seminar** on "Statistics for Twenty-first Century-2012" to be held during 10-12 December 2012 at Department of Statistics, University of Kerala, Trivandrum.
15. **Quiz Master**, Quiz competition Programme organized by the Department of Statistics, University of Kerala jointly with Kerala Statistical Association (KSA) to Under Graduate Statistics students of University of Kerala Region on 02 February 2013.
16. **Organizing Committee Member**, Seven day National Workshop on "Recent Developments in Statistics with Special Emphasis on Computational Statistics" organized by the Department of Statistics, University of Kerala during 01-07 March 2013.
17. **Advisory Committee Member**, two day **national conference** on *Statistical Theory and Applications* organized by the Department of Statistics, St. Thomas College, Pala during 15-16 March 2013.
18. **Quiz Master**, All Kerala Post-graduate level Quiz Competition organized by the Department of Statistics, University of Kerala in connection with the International Statistics Year Celebrations – 2013 of University of Kerala on 28 June 2013
19. **Quiz Master**, Graduate level Quiz Competition (Kerala University region) held on 19 October 2013 at the Colleges- M.S.M. College (Kayamkulam) organized by the Department of Statistics, University of Kerala in connection with the International Statistics Year Celebrations – 2013 of University of Kerala.
20. **Advisory Committee Member**, four day **International Conference** on *Mathematics Education and Mathematics in Engineering and Technology* organized by Mohandas College of Engineering and Technology, Trivandrum during 17-20 December 2013
21. **Course Co-ordinator**, Refresher Programme on "Statistics and Research Methods" for College/University teachers to be held during 25 February 2014 to 17 March 2014 at Academic Staff College (ASC), University of Kerala, Trivandrum.
22. **Organizing Secretary**, three day **national workshop** on "Distribution Theory, Order Statistics and Reliability Theory" held during 17-19 March 2014 at Department of Statistics, University of Kerala, Trivandrum.
23. **Organizing Secretary**, three day **national seminar** on "Statistics for Twenty-first Century-2014" held during 20-22 March 2014 at Department of Statistics, University of Kerala, Trivandrum.
24. **Invited to organize** a session on "Distribution Theory" in the International Conference on "Statistics and Society in the New Information Age: Challenges and Opportunities" to be held Galadari Hotel, Colombo, Sri Lanka during 28-30 December 2014

25. **Chairman/Convener**, regional seminar on “Official Statistics” in connection with the observance of the National Statistics Day on 29 June 2014.
26. **Chairman/Convener**, regional level One day seminar on 20 October 2015 in connection with the World Statistics Day Celebrations
(Details available in UN website: <https://worldstatisticsday.org/blog.html?c=IND>).
27. **Chairman/Convener**, International Workshop on “Distribution Theory” held during 14–16 December 2015 at the Department of Statistics, University of Kerala.
28. **Organizing Committee Member**, multidisciplinary seminar on “Challenges in Basic Science Research” by School of Physical and Mathematical Sciences on 16 December 2015 at Physics Seminar Hall, in connection with the Multidisciplinary seminar organized by University of Kerala during 13-17 December 2015.
29. **Chairman/Convener**, International Conference on “Statistics for Twenty-first Century [ICSTC-2015]” during 17–19 December 2015 at SP GRAND DAYS HOTEL, Trivandrum (300 participants including more than 100 foreign delegates).
30. **Chairman/Convener**, regional seminar with key-note addresses on “Statistics as an Inevitable Technology” and “Poverty Measurements” in connection with “National Statistics Day” celebrations on 29 June 2016. (70 participants).
31. **Chairman/Convener**, National level six days workshop on “Statistical Computing” during 14-19 November 2016 (90 participants).
32. **Chairman/Convener**, International Workshop on “Distribution Theory and its Applications” during 19–20 December 2016 at the Department of Statistics, University of Kerala (60 participants).
33. **Chairman/Convener**, International Conference on “Statistics for Twenty-first Century [ICSTC-2016]” during 21–23 December 2016 at Park Centre, Technopark, Trivandrum (200 participants). This conference was inaugurated by Hon’ble Governor of Kerala Shri. Justice P. Sathasivam (Former Chief Justice of India).
34. **Chairman/Convener**, Three day National Seminar on “*Recent Trends in Statistical Theory and Applications*” during 28-30 June 2017 in connection with “National Statistics Day” Celebrations.
35. **Chairman/Convener**, National level one week workshop on “Statistical Methods for Data Analysis Using R” during 23-28 October 2017 (100 participants).
36. **Chairman/Convener**, International Workshop on “Distribution Theory and its Related Areas” during 11–13 December 2017 at the department seminar hall (70 participants).
37. **Chairman/Convener**, Third International Conference on “Statistics for Twenty-first Century-2017 [ICSTC-2017] held during 14-16 December 2017” with support from American Mathematical Association. This International Conference was inaugurated by world renowned statistician Professor N. Balakrishnan, Distinguished University Professor, McMaster University, Canada.
38. **Chairman/Convener**, National Seminar on “Recent Trends in Statistical Sciences” during 28 February – 01 March 2018 organised in connection with “National Science Day” Celebrations of 2018, organized a (100 participants).
39. **Chairman/Convener**, “National Statistics Day” Celebrations, organized a three day National Seminar on “Recent Trends in Statistical Theory and Applications” during 28-30 June 2018. This Seminar was inaugurated by Smt. Sunitha Bhaskar, ISS [Director and Regional Head of South Indian Region, National Sample Survey Office (NSSO), Trivandrum] on 28 June 2018 at 10.00 am (150 participants).
40. **Chairman/Convener**, National level one week workshop on “Statistical Methods for Data Analysis Using R” during 10-15 September 2018 (100 participants).
41. **Chairman/Convener**, International Workshop on “Distribution Theory and its Applications” during 10–12 December 2018 at the department seminar hall (80 participants).

42. **Chairman/Convener**, International Conference on "Statistics for Twenty-first Century [ICSTC-2018]" during 13–15 December 2018 at SP GRAND DAYS Hotel, Trivandrum (220 participants). This conference was inaugurated by Professor Rajan Gurukkal, Vice-Chairman, Kerala State Higher Education Council, Govt. of Kerala.
43. **Chairman/Convener**, Three day National Seminar on "Recent Trends in Statistical Sciences (RTSS-2019)" in conjunction with 40th Annual Conference of Kerala Statistical Association (KSA) during 07-09 March 2019 in connection with "National Science Day" Celebrations of 2019, organized. This conference was inaugurated by Hon'ble Pro-Vice Chancellor Professor (Dr) Ajayakumar, P.P. of University of Kerala. (150 participants).
44. **Chairman/Convener**, Three day National Seminar on "*Recent Trends in Statistical Theory and Applications*" during 27-29 June 2019 in connection with "National Statistics Day" Celebrations, organized at This Seminar was inaugurated by Dr A. Bijukumar, Dean, Faculty of Science on 27 June 2019 at 10.00 am. (150 participants).
45. **Chairman/Convener**, National level one week workshop on "Statistical Methods for Data Analysis Using R and PYTHON" during 23-27 September 2019. (100 participants).
46. **Chairman/Convener**, International Workshop on "Distribution Theory and its Applications" during 16–17 December 2019 at the department seminar hall (100 participants).
47. **Chairman/Convener**, International Conference on "Statistics for Twenty-first Century [ICSTC-2019]" during 18–20 December 2019 at Dept of Statistics, University of Kerala, Trivandrum (220 participants). This conference was inaugurated by Hon'ble Pro-Vice Chancellor Professor (Dr) Ajayakumar, P.P. of University of Kerala.
48. **Coordinator**, 12th Statistics Olympiad 2020 Kerala region in this department on 19 January 2020 in association with C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Science, Hyderabad.
49. **Chairman/Convener**, Lecture Series on the topic "Multivariate Techniques" by Dr A.M. Mathai, Emeritus Professor, McGill University, Canada on 13 February 2020 in connection with "National Science Day" Celebrations of 2020.
50. **Chairman/Convener**, National Webinar on "Recent Trends in Statistical Theory and Applications (WSTA-2020)" held during 29 June – 01 July 2020. This may be first of its kind, conducted as online mode during the first lockdown period (due to covid 19) more than 2000 registered participants and speakers from all over the world.
51. **Chairman/Convener**, Lecture Series on several topics by experts from various parts of the Globe. (i) Talk on "Breast Cancer among South Asians in United States-SEER based Study" by Dr Jaya Satagopan, Professor, Dept of Biostatistics and Epidemiology, Rutgers School of Public Health, Rutgers, The State University of New Jersey., USA on 21.09.2020 (ii) Talk on "Basics of Structural Equation Modeling" by Dr G. Arivarigan, D.Sc.,FRSS, Former Head and Senior Professor at Madurai Kamaraj University, Madurai on 20.10.2020 (iii)Talk on "Parametric Models for Analysing Discrete Data" by Dr Violetta E. Piperigou, Professor, University of Patras, Greece on 20.10.2020 (iv) Talk on "Balanced Designs" by Dr D.K. Ghosh, FRSS Founder Professor and Head of Dept of Statistics, Saurashtra University, Gujarat held on 27.11.2020 In connection with "Platinum Jubilee Year of the Department".
52. **Chairman/Convener**, workshop on "Statistical Data Analysis in R using STATCRAFT" on 04 December 2020
53. **Chairman/Convener**, Interaction Programme with Professor K. Kalyanaraman, Dr G. Lesitha, Mr Yasir, ISS, Dr Jagathnath Krishna (RCC, Trivandrum), Mr Zubin Abraham (Cognub Decisions Pvt Ltd), Ms Neethu Babu (Cognub Decisions Pvt Ltd) and Mr Kishore,M (Cognub Decisions Pvt Ltd) during November 2020 in connection with the induction programmes of the First Semester MSc students.
54. **Chairman/Convener**, National Level Quiz programme to graduate students on 27.02.2020 in connection with "National Science Day" Celebrations of 2020.

- 55. Chairman/Convener,** Sixth International Workshop on "Distribution Theory and its Applications" during 11–12 December 2020 via Online (600 participants).
- 56. Chairman/Convener,** Sixth International Conference on "Statistics for Twenty-first Century-2020 (ICSTC 2020)" during 13–15 December 2020
- 57. Chairman/Convener,** Fifth International Webinar on Recent Trends in Statistical Theory and Applications-2021(WSTA 2021) as its Chairman/Convener during 29 June – 02 July 2021 jointly with Indian Society for Probability and Statistics (ISPS), Kerala Statistical Association (KSA).
- 58. Chairman/Convener,** Professor P.C. Mahalanobis Quiz Competition at a National level as part of the WSTA 2021 International Conference.
- 59. Joint Organising Secretary,** International Conference on "Emerging Trends in Statistics and Data Science" in conjunction with 40th Annual Convention of Indian Society for Probability and Statistics (ISPS) as its joint Organizing Secretary during 07 – 10 September 2021 jointly with Dept of Statistics of CUSAT(Cochin), MD University (Rohtak), Bharathiar University (Coimbatore) and The Madurai College (Autonomous).
- 60. Chairman/Convener,** Seventh International Workshop on "Distribution Theory and its Applications" as its Chairman/Convener during 13 -14 December 2021 jointly with International Statistics Fraternity.
- 61. Chairman/Convener,** Seventh International Conference on "Statistics for Twenty-first Century-2021 (ICSTC 2021)" as its Chairman/Convener during 15 -19 December 2021 jointly with International Statistics Fraternity (ISF).
- 62. Programme Coordinator,** International Conference on "Statistics and Data Science: Theory and Practice for Progress and Prosperity (ICSDDS-2022)" in conjunction with 41st Annual Convention of Indian Society for Probability and Statistics (ISPS) to be held during 11 -13 March 2022, organizing by Osmania University, Hyderabad.
- 63. Chairman/Convener,** one week workshop during 05-11 February 2021 for syllabus revision of MSc Statistics Programme of Colleges affiliated to University of Kerala as the Chairman of PG Board of Studies in Statistics.
- 64. Chairman/Convener,** Organized an event to celebrate National Science Day 2022 on 28 February 2022 via both Offline and Online mode

Details of Project Reports / Dissertations Prepared / Supervised (List not complete):

1. Prepared and submitted a field work report on the topic "The influence of Parallel Educational Institutions in our Collegiate Education", a major aspect of the practical work of the B.Sc. Statistics Main Students of the University of Kerala.
2. Prepared and submitted under the supervision and guidance of Prof. T.S.K. Moothathu a dissertation "On Hermite Distribution" in partial fulfillment of the requirement for the M.Sc. Degree in Statistics of the University of Kerala.
3. Prepared and submitted under the supervision and guidance of Prof. T.S.K. Moothathu a dissertation "On the Kemp Families of Distributions and their Generalizations" in partial fulfillment of the requirement for the M.Phil. Degree in Statistics of the University of Kerala.
4. Engaged in the preparation of the project report of the **Department of Science and Technology**(Government of India) Sponsored project entitled "Stochastic Modeling of Rainfall depths and other Weather Parameters - a pilot study" (Prof. A.M. Mathai, Professor of Mathematics and Statistics, McGill University, Canada and Director (Academic), Centre for Mathematical Sciences, Trivandrum is the Principal Investigator and Prof. T.S.K. Moothathu, the Co-investigator).

5. Engaged in the preparation of reports (as Statistical Assistant) of the following Projects / research studies (Dr. M.S. Dharmaraj, **Agricultural Finance Corporation Ltd.** (Government of India), Trivandrum as the Principal Consultant).
 1. Integrated Co- operative Development project for Pathanamthitta District, Kerala (Govt. of Kerala)
 2. Evaluation of IRDP Scheme in the Districts of Alappuzha, Idukky and Malappuram (Govt. of Kerala).
 3. Study on Marketing Aspects of Poultry Products in the State of Kerala (Kerala State Poultry Development Corporation).
6. Given guidance to M.Sc. (Statistics), M.Phil (Statistics) and MBA students in preparing their project Reports/dissertations. The following dissertations were prepared under my supervision and guidance during 2004 to 2014. The details of 2015 to 2022 is not included here.
 1. Nair, R.D. (2004). On Quasi-binomial Distributions, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
 2. Darshanlal, M. (2004). Estimating Moments of a Selected Uniform Population, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 3. Rajalekshmi, S. (2004). On Residuals, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 4. Manju, J. (2004). On Binormal Distribution, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 5. Gracilin, A.J.A. (2004). On Poisson-Lindly Distribution and Its Generalizations, M.Sc. dissertation, University of Kerala, Trivandrum, India.
 6. Yasir, M.F. (2005). On Truncated Discrete Distributions, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 7. Harisankar, S. (2005). Estimating the Binomial Parameter "n", **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 8. Murugan, A. (2005). On Generalized Binormal Distribution, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 9. Raja, P.A.C. (2005). On Mixtures of Normal Distribution, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
 10. Sajitha, R.G. (2005). On Modified Power Series Distribution, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
 11. Riaz, A. (2006). On Heteroscedasticity, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
 12. Ramya, Sivadas. (2006). On Multivariate Skew Normal Distribution, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
 13. Meera, S. (2006). On a Family of the Abel Series Distributions, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 14. Shaini, S. (2006). On Some Generalized Beta Distributions, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 15. Ramya, V. (2006). On Estimation of $\Pr(Y < X)$ in the Exponential Case, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 16. Yasir, M.F. (2007). On Some characterizations of Beta Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
 17. Murugan, A. (2007). On Generalized Pareto Distribution, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
 18. Neena Nelson. (2007). Some Derived Power Series Distributions, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.
 19. Manju, M.R. (2007). Intervened Poisson Distribution, **M.Sc. dissertation**, University of Kerala, Trivandrum, India.

20. Nisha, B.S. (2007). On Certain Bulk Service Queues, **M.Phil. dissertation**, Bharathidasan University, Tiruchirapalli, Tamil Nadu, India.
21. Sandhya, U. (2008). On Generalized Lamda Distribution, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
22. Sithara Mohan (2008). Some Exponentiated Type Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
23. Devi Vijaya, A and Smitha, M. (2008). A Statistical Study on Cancer, **M.Sc. project work**, University of Kerala, Trivandrum, India.
24. Reeshma, N. S. and Leena Vargeese, L. (2008). Study on Accidents in Kerala, **M.Sc. project work**, University of Kerala, Trivandrum, India.
25. Abha, H and Anumol, M.S. (2009). A Case Study on Old age Homes in Trivandrum district, **M.Sc. project work**, University of Kerala, Trivandrum, India.
26. Jophy K. Michael (2009). On Polya Urn Models, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
27. Merin Annie Ponnachan (2009). On Beta Related Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
28. Harisankar, S. (2010). On Kumaraswamy Distributions and its Generalizations, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
29. Sreekala, S (2010). On Generalized Poisson Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
30. Aswathy, M. and Jeslin Justin (2010). A Statistical Study on Supplyco with Reference to Trivandrum District, **M.Sc. project work**, University of Kerala, Trivandrum, India.(in the final stage).
31. Jeslin Justin (2011). On Some Aspects of Semi-Pareto Distribution, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
32. Emil Mary Augustine. (2011). On Some Generalized Laplace Distribution, **M.Phil dissertation**, University of Kerala, Trivandrum, India.
33. Asha, S. Nair (2011). Household Perception of Inflation – A case study of Thiruvanthapuram District, **M.Sc. project work**, University of Kerala, Trivandrum, India.
34. Devika, C.D. and Sunitha, S.(2012). Life-style of People with Special Reference to Health Consciousness - A Study of Trivandrum District, **M.Sc. project work**, University of Kerala, Trivandrum, India.
35. Saranya, S. and Vidya, S.R. (2012). A Statistical Study of Job Satisfaction of "IT" Employees in Technopark, Thiruvananthapuram, **M.Sc. project work**, University of Kerala, Trivandrum, India.
36. Suchithra, C.V. (2012). On Birnbaum Saunders Distribution and its Generalizations, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
37. Albin Paul (2012). On a Hypergeometric Family of Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
38. Soumya, S. (2013). Statistical Study of Educational Standards of Marine Fisher Folk – Special Reference to Kadinamkulam Panchayath, **M.Sc. project work**, University of Kerala, Trivandrum, India.
39. Shibu, D.S. (2013). On Intervened Poisson Distribution and its Generalizations, **Ph.D. Thesis**, University of Kerala, Trivandrum, India.
40. Jismi Mathew (2014). On Some Length Biased Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
41. Monisha, M. (2014). On Certain Gumbel Related Distributions, **M.Phil. dissertation**, University of Kerala, Trivandrum, India.
42. Nithya, S.M. and Nithin, S.L. (2014). Risk Factors of Type-2 Diabetes Mellitus – A Statistical Study on Adults in Certain Areas of Thiruvananthapuram District, **M.Sc. project work**, University of Kerala, Trivandrum, India.

43. Nair, B.U. (2014). Some Contributions to the Study of Hyper-Poisson Distributions, **Ph.D. Thesis**, University of Kerala, Trivandrum, India.

7. Prepared and submitted under the supervision and guidance of Prof. T.S.K. Moothathu a Ph.D. thesis entitled "On Some Contributions to the Study of Discrete Distributions" in the broad area of Distribution Theory in Statistics (University of Kerala).
8. **Conducted several sample surveys** (readership surveys among readers and subscribers of dailies and periodicals in Kerala) and executed various research Projects, including content analysis through the Research Department of The Mathrubhumi Printing & Publishing Company under my supervision and guidance.

Training

Participated in the UGC sponsored **Refresher Course** in Environmental Science (Multidisciplinary) held at the Academic Staff College, University of Kerala during 9-30 May 2009 (21 days) sponsored by the University Grants Commission, Government of India.

Participated in the five day workshop on 'Restructuring the Undergraduate Course in Statistics' organized by the Board of Studies (Pass), University of Kerala and sponsored by the Higher Education Council, Govt. of Kerala during 24-28 February 2009.

Participated in the workshop on 'Quality Improvement in Research' organized by University of Kerala on 28-29 September 2007 at the University Buildings, Trivandrum.

Participated in the Census Data Dissemination Workshop at Centre for Development Studies (CDS), Trivandrum on 10 August 2007, organized by Directorate of Census Operations, Kerala.

Participated in the UGC sponsored **Refresher Course** in Biostatistics held at the Academic Staff College, University of Kerala during September-October 2006 (21 days) sponsored by the University Grants Commission, Government of India.

Participated in the Orientation Programme (IT-Oriented) conducted by Academic Staff College, University of Kerala, Kariavattom from 23 November 2004 to 20 December 2004 (28 days) sponsored by the University Grants Commission, Government of India.

Participated in a national instructional workshop on "Recent Trends and New Directions of Research in Cybernetics and Systems theory" held at Institute of Advanced Study in Science and Technology (IASST), Guwahati from 28 January to 1 February 2004 sponsored by the Department of Science and Technology Government of India, New Delhi.

Participated in a national level research training program on "Generalized Special Functions and Functions of Matrix Arguments" held under the auspices of the Centre for Mathematical Sciences from 19 June to 28 July 1995 sponsored by the Department of Science and Technology Government of India, New Delhi.

Participated in a national workshop and Lecture series on Statistics in Theory and Practice, sponsored by the Indian Academy of Sciences, Bangalore held at the Department of Statistics, St. Thomas College, Pala during 1-3 October 2003.

Student Achievements (Not Complete)

1. Mr Satheendar, A.S. (Research Scholar, Dept of Statistics, University of Kerala) awarded Professor B.K. Kale Best Research Paper Presentation Award 2021 of Indian Society for Probability and Statistics (ISPS) during the International Conference on "Statistics and Data Science: Theory and Practice for Progress and Prosperity(ICSDS-2021), organized by Osmania University, Hyderabad held during 11 - 13 March 2022.
2. Ms Rakhi Ramachandran [Assistant Professor(On Contract) and Research Scholar, Dept of Statistics, University of Kerala] awarded "Professor R.N. Pillai Young Statistician Award 2022" of The Kerala Statistical Association (KSA) during the National Conference on "Recent Innovations in Statistical Methods and its Applications in Business and Industry (RISABI-2022), organized by The Research Department of Statistics, Maharaja's College, Ernakulam (A Govt Autonomous College) held during 18 - 19 March 2022.
3. Dr Subha R Nair (presently working as Associate Professor, Department of Statistics, N.S.S College, Neeramankara, Alappuzha) won "Professor A.M Mathai Best PhD Thesis Award 2020" (National Level Award instituted by Alumni Association of Department of Statistics, University of Kerala)
4. One of my research student Ms Rakhi Ramachandran won Professor C.R. Rao Gold Medal for best paper presentation (of ISPS) held at PG Department of Statistics, Utkal University, Bhubaneswar, Odisha held during 21-23 December 2019.
5. One of my research student Ms. Rakhi Ramachandran won "Professor Jacob Sundara Raja Best Paper Presentation Award-2018"
6. One of my research student Ms Manju, L was awarded Professor Jacob Sundara Raja Best Research Paper Award-2017 of Alumni Association of Dept. of Statistics University of Kerala (AADSUK).
7. One of my research student Ms. Anusree M.R. won "Professor P.S.J. Nayar Best Paper Presentation Award-2017"
8. Dr Riyaz A (presently working as Assistant Professor, Department of Statistics, University of Kerala) won "Professor A.M Mathai Best PhD Thesis Award 2015" (National Level Award instituted by Alumni Association of Department of Statistics, University of Kerala)
9. One of my research student Ms Anusree, M.R, JRF won Professor R.N. Pillai Young Statistician Award-2012 of the Kerala Statistical Association for her paper "A New Family of Skew-normal Distribution" presented in the three day National Conference on "Recent Trends in Statistics and Related Areas" held during 15-17 March 2012 at the Department of Statistics, Calicut University.
10. One of my research student Mr. D.S. Shibu, Faculty Research Fellow won "*Professor R. N. Pillai Best Paper Award-2013*" of the Alumni Association of the Department of Statistics University of Kerala (AADSUK) from among young Alumni Members of the Department of Statistics, University of Kerala.
11. One of my research student Mr. B. Unnikrishnan Nair, Faculty Research Fellow won *Professor Jacob Sundara Raja Best Paper Award-2013* of the Alumni Association of the Department of Statistics, University of Kerala (AADSUK) from among young registered research scholars of the Department of Statistics, University of Kerala.

Chairman/Member Question Paper Setters Board and/or External Examiner for B.Sc., M.Sc., M.Phil., Ph.D. Thesis Adjudication and/or conduct of Open Viva

- (i) University Examinations conducted by
 1. Cochin University of Science and Technology, Kochi
 2. Mahatma Gandhi University, Kottayam
 3. University of Calicut, Calicut

4. University of Kannur, Kannur
5. University of Kerala, Trivandrum
6. Bharathiyar University, Coimbatore, Tamil Nadu, India.
7. Bharathidasan University, Tamil Nadu, India.
8. Manonmaniam Sundarnar University, Tirunelveli, Tamil Nadu, India.
9. Osmania University, Hyderabad
10. University of Jammu, Jammu Kashmir
11. Annamalai University, Annamalai
12. Pondicherry Central University, Puducherry
13. Banaras Hindu University, UP
14. Indian Institute of Technology(IIT), Kharagpur
- (ii) Kerala Public Service Commission (KPSC), Pattom, Trivandrum
- (iii) Union Public Service Commission (UPSC), New Delhi

(2) Quiz competitions conducted by

1. Kerala Statistical Association (KSA) - State level
Dr. U.S. Nair Memorial Quiz Competition 2005-06; 2008-09
2. National Sample Survey Organization [Govt. of India], Trivandrum – University level - NSSO Quiz Competition 2008; 2009
3. All Kerala Post-graduate level Quiz Competition organized by the Department of Statistics, University of Kerala in connection with the International Statistics Year Celebrations – 2013 of University of Kerala on 28 June 2013
4. Graduate level Quiz Competition (Kerala University region) held on 19 October 2013 at three Colleges- M.S.M. College (Kayamkulam), Fatima Mata National College (Kollam) and University College(Trivandrum) - organized by the Department of Statistics, University of Kerala in connection with the International Statistics Year Celebrations – 2013 of University of Kerala.

Popularity Details of Some Recent Publications of C. Sathesh Kumar [Not Complete]

1. Online publication **VERTICAL NEWS** made a report entitled "**Recent Findings in Statistics Described by Researchers from University of Kerala**" about the advancement made in the area of statistics by the publication of the my paper jointly with Ms. M.R. Anusree, which appeared in the journal "Statistics and Probability Letters" (Published from USA) [Vol. 81, Page: 1813-1821, 2011].
2. One of my paper jointly with Ms. M.R. Anusree of this Department, which appeared in the journal "Statistics and Probability Letters" (Published from USA) in Vol. 81, Pages 1813-1821 (2011) had been ranked as 9-th in the top 20 most downloaded articles in the journal during October –December 2011.
3. One of my paper entitled "Binomial Poisson distribution revisited" in the journal "Economic Quality Control" (published from Germany) in Vol. 25, Pages 183-188 (2010) had been reported as one among the top 20 most downloaded articles of the journal during 2010.
4. One of my paper entitled "Extended generalized hypergeometric probability distribution" in the journal "*Statistics and Probability Letters*, 59(1), Pages: 1-7" had been ranked as the sixth among the top 25 most downloaded articles (April- August 2002) which have been published in the journal during 2002 and this was the only one from India in that category. Also it is important to note that this Elsevier journal published this paper as its First article in the first issue of 59th volume of the journal.

5. One of my paper entitled "A class of discrete distributions of order k" published in the Journal – Journal of Statistical Theory and Practice (Taylor and Francis) is listed in the group of *the most cited articles* of that journal during 2013-14.
6. One of my paper entitled "Binomial Poisson distribution revisited" published in the Journal – Economic Quality Control is listed *as one of the twenty most downloaded articles* of that journal during October-December 2013.
7. One of my research student Ms Anusree, M.R, JRF won Professor R.N. Pillai Young Statistician Award-2012 of the Kerala Statistical Association for her paper "A New Family of Skew-normal Distribution" presented in the three day National Conference on "Recent Trends in Statistics and Related Areas" held during 15-17 March 2012 at the Department of Statistics, Calicut University.
8. One of my research student Mr. D.S. Shibu, Faculty Research Fellow won "*Professor R. N. Pillai Best Paper Award-2013*" of the Alumni Association of the Department of Statistics University of Kerala (AADSUK) from among young Alumni Members of the Department of Statistics, University of Kerala.
9. One of my research student Mr. B. Unnikrishnan Nair, Faculty Research Fellow won "*Professor Jacob Sundara Raja Best Paper Award-2013*" of the Alumni Association of the Department of Statistics, University of Kerala (AADSUK) from among young registered research scholars of the Department of Statistics, University of Kerala.

DECLARATION

The above said details are true to the best of my knowledge and belief.



C. Satheesh Kumar