Detailed CV of Dr. K. K. Jose

Name   : **Dr. K. K. Jose M.Sc; M.Phil; Ph.D. FRSS, FSMS**
(Kanichukattu Korakutty Jose)

Date of birth & Age   : **03 July 1957; 62 yrs**

Present Title   : **Director, School of Mathematics & Statistics, M.G.Uty**
; **Director, School of Data Analytics, M.G.Uty, Kottayam**
: Adjunct Faculty, Dept. of Statistics, Kannur University
: Adjunct Faculty in Biostatistics, NHRIMH, Kurichy, Ktm

Former assignments   : **Hon. President, Kerala Statistical Institute, Tvm (2015-18)**
: **Emeritus Scientist, KSCSTE, Govt. of Kerala (2015-18).**
: **Professor and Head, Dept. of Statistics, CURAJ Central University of Rajasthan (2014-15)**
: **Principal, St. Thomas College Palai (2009-2014)**
: **Professor and Head, Department of Statistics and Biostatistics, St. Thomas College, Pala (1997-2009)**
: **Director-in-charge, Centre for Mathematical Sciences, Pala Campus (2000-2012)**

Home Address   : Kanichukattu, No.PMC/XXII/338, Arunapuram P.O.,
Pala –686574, Kerala, India Phone:91-4822-216493
Mob:**91-9446560608, 8304870247**
E-mail: kkjstc@gmail.com, kkjose@curaj.ac.in
Website: www.stcp.ac.in, www.sms.mgu.ac.in

Educational Details:

- SSLC, 1973, Kerala, 66.83%, First Class
- Pre-Degree, 1975, Kerala University, 69.30%, First Class
- B. Sc (Mathematics), 1978, Kerala University, 91.50%, I Class, 10th Rank.
- **M. Sc (Statistics), 1980, Kerala University, 69.90%, I Class, University First Rank, Nagam Aiya Gold Medal Winner of Kerala University**
- M.Phil (Statistics), 1990, Kerala University, Grade A (above 60%)
- **Ph.D. (Statistics**), 1995, Kerala University (Guide: Dr. R.N. Pillai, HOD Stat Topic: Some Aspects of Non- Gaussian Time Series Modelling)
- Diploma in Student Counseling, Diocese of Palai, 1997, Kerala

Teaching Experience:

Lecturer in Statistics, 1980, Bharata Matha College, Thrikkakara, Kochi, Kerala
Lecturer in Statistics, 1980-88, St. Thomas College Pala, Kerala
Senior Lecturer in Statistics, 1988-95, St. Thomas College, Pala, Kerala
Reader in Statistics, 1995-97, St. Thomas College Pala, Kerala,
Assoc. Professor and Head, Department of Statistics, 1997-2009
Principal Special Grade/Professor of Statistics (2009-2014)
Professor of Statistics, Central University of Rajasthan (2014-15)

Areas of Specialization and Courses Taught at PG level:

Stochastic Processes, Time Series Modeling and Analysis, Multivariate Statistical Methods, Design of Experiments, Statistical Inference, Queuing Theory, Matrix Algebra, Distribution Theory, Probability Theory, Sample Surveys, Micro array Modeling, Reliability Theory, Bayesian Inference, Statistical Physics, Biostatistics etc.

Honors and Awards:

1. Secured **University First Rank** & **Nagam Aiya Gold Medal** for M.Sc (Statistics), 1980, Kerala University, Trivandrum.
2. Won Best College Teacher Award, 1999, St. Thomas College Pala, Kerala
3. **President, Kerala Statistical Association** during 2000-02, 2002-04, 2004-06
4. **General Secretary,** Kerala Statistical Association 1994-96,1996-98,1998-2000
5. **Executive Council Member** of Indian Society for Probability and Statistics (2002-04, 2004-06, 2006-2008)
6. **Executive Council Member** of Society for Statistics and Computer Applications (1998-2000,2000-2002,2008-2010,2010-12,2012-14)
7. **Joint Secretary,** Indian Society for Probability and Statistics (2006-2008)
8. **AIACHE National Award** for **Best College Teacher, New Delhi (2006)**
9. St. Berchman's Award for Best College Teacher in Kerala (**2007**)
10. **Air India- Manorama BOLT Award 2008** for best teachers.
11. **Elected as Member of International Statistical Institute**, The Netherlands in 2007
12. **M.G.University Award for Best College Principal** for promoting **NSS** activities during **2010-11, 2013-14**.
13. **Professor P. V. Sukhatme Award 2012** for Contributions to Statistics and Biostatistics, Indian Society for Medical Statistics, New Delhi
14. **Elected Fellow of the Royal Statistical Society**, UK, 2012
15. **Dr. Sam Higgin Botham Award** for the **Best College Principal** in India during 2012-13 by AIACHE, New Delhi.
16. **Elected President,** St. Vincent De Paul Society, Palai CC (2014-2020)
17. Awarded KSCSTE Emeritus Fellowship by Govt. of Kerala (2015-18).
18. President, Kerala Statistical Institute, Thiruvananthapuram (2015-18)
19. Awarded Fellow of Indian Society of Medical Statistics FISMS (2019)
20. Received Best Alumni Award, Deva Matha College, Kuravilangad (2019)
21. Awarded Fellow of Indian Society for Probability & Statistics FISPS (2021)

Membership in Professional Societies:

- **Elected Fellow of the Royal Statistical Society**, UK
- **Elected Fellow, Indian Society for Medical Statistics, New Delhi**
- **Elected Member, International Statistical Institute, Netherlands**
- Member, Bernoulli Society for Probability and Mathematical Statistics
- Member, Institute of Mathematical Statistics, U.S.A.
- Member INFORMS Operations Research Society, U.S.A.
- Member, International Society for Business and Industrial Statistics
- Member, International Society for Bayesian Analysis (ISBA)
- Life Member and Fellow, Indian Society for Medical Statistics (ISMS)
- Life Member, Indian Society for Probability and Statistics (I.S.P.S.)
- Life Member, Indian Statistical Association (ISA)
- Life Member, Society for Statistics and Computer Application (S.S.C.A.)
- Life Member, Kerala Statistical Association

Membership / Participation in Academic Bodies:

- Coordinator, Expert Curriculum Committee in SMS & SDA, MG Uty(2020-23)
- Member, Research Council for Science and Engineering, KSCSTE, Govt. of Kerala (2013-16)
- Member, Technical Advisory Committee, Kerala State Strategic Statistical Plan, Govt. of Kerala (2013-16)
- Chairman/Expert Committee Member, M.Sc Biostatistics and M.Sc. Actuarial Science at M.G. University, Kerala (2005-15)
- Member, Academic Council, Central University of Rajasthan (2014-15).
- Chairman/ Member, P.G. Board of Studies in Statistics at Mahatma Gandhi University, Kottayam, India (2000-10).
- Member, P.G. Board of Studies in Statistics at Kannur University, Kerala (2007-10)
- Expert Committee Member, Redressing Anomalies in CBCSS system at M.G. University, Kerala (2010-13)
- Governing Council Member, Deva Matha College, Kuravilangad (2011-14)
- Core Committee Member, B.Sc. Statistics, M.G. University, Kerala (2002-05)
- Chairman/Member in P.G. Board of Examiners at Kerala, M.G., Cochin, Calicut Universities in Kerala (2006-09)
- Chairman/Member in Board of Adjudicators for M. Phil / Ph.D. Theses at Kerala, M.G; Calicut, Dr. M. G. R. Medical University, Bharathiyar and Bharathidasan Universities in South India.
- Member, Subject Expert Committee for Selection of College Teachers, M.G. University, Kerala(2005-2013)
- Research Guide in Statistics, M.G. University, Kerala from 1997 onwards.
- Expert for approving Ph.D. Syllabus, Equivalence of courses etc at MG University
- Member Secretary, Programme monitoring and management committee (PMMC) for DST project in Mathematical Sciences at CMS, Kerala(2005-10)
- Member of the Panel for DST-INSPIRE Camp Resource Persons(2008 onwards)
- Member, KSCSTE Young Researchers Award Committee 2012, 2013.
- Member, Judging Committee for Kerala Science Congress of KSCSTE during 2014, 2015, 2016, 2017, 2018, 2019.

Editorial/Refereeing Work:

Referee for the international journal *Statistical Papers,* Springer, Germany
Reviewer of *Journal of Multivariate Analysis*, Elsevier Publications, U.S.A.
Referee for the Journal *Communications in Statistics*, *Theory and Methods,* Taylor & Francis, USA
Referee of *Biometrical Journal,* John Wiley, USA
Referee for the international *Journal of Systems Science and Complexity,* Springer, China.
Referee for the international Journal *IEEE Transactions on Signal Processing*
Referee for the Journal *Applied Statistics,* Taylor and Francis, USA
Reviewer for the journal *Journal of Advances in Research*, Elsevier
Reviewer for *American Mathematical Reviews*, American Math Society, USA
Editor, *Sastrapadham Magazine* and *Science World* Magazine
Chief Editor, *STARS International Journal in Sciences*
Executive Editor, *Journal of the Kerala Statistical Association*
Editor, *Kerala Statistician*
Referee for *Journal of Indian Statistical Association*

Research Supervision and guidance:

- ❖ **Number of Ph. D. awarded under the guidance of Dr. K. K. Jose = 24 +3***
- ❖ Number of M. Phil theses supervised successfully = 2   * co-guide
- ❖ Number of M. Sc. Theses supervised = 76

Project Works Successfully Completed:

1.Major Research Project sponsored by the Ministry of Statistics and Programme Implementation, Government of India under awards and recognitions for Meritorious research in Statistics.
Title: *Non-Gaussian Time Series Models for Agricultural Crop Prices and an assessment of WTO Regime in India*; 2002-2005 (2005). Rs 2 lakhs
2.Minor Research Project sponsored by UGC, New Delhi
Title: *Non-Gaussian Models for Time Series Data with Exact Zeros* (2003-2005) (2005), Rs.15,000/-
3.Third SERC School in Special Functions …sponsored by DST, Co-Director, March-April 2005.
4.Fourth SERC School in Stochastic processes, Statistics and Astrophysics sponsored by DST, Co-Director, to be held in March-April 2006.
5.Fifth SERC School in Stochastic processes, Statistics and Astrophysics sponsored by DST, Co-Director, held in April-May 2007.
6. Minor Research Project Sponsored by UGC, New Delhi, Rs.90,000/-
Title: *Generalizations of Mittag-Leffler Processes and Applications* (2007-2009)
7.DST-FIST Project to Dept. of Statistics: Coordinator (2002-2007), Rs.27.5 lakhs
8.UGC Inno. Program in M. Sc Biostatistics: Director (2005-2010), Rs.50 lakhs.
9. Co-investigator in the DST Project at CMS Pala Campus (2006-2011), Rs.2.05 crores, *Setting up a Core Research Group under IRHPA program of DST, India*
10. DST sponsored Training program in Mathematical Sciences to Undergraduate students 2008-2009 (5 camps of 10 days each conducted)
11. UGC sponsored Major Project on Marshall-Olkin Generalised Family of Distributions and Their Applications (2012-2015) Rs.9.95 Lakhs
12. DST-FIST Project to all Science Departments (2013-18) Rs.90.00 lakhs
13. KSCSTE Major Project titled A Study on Assymmetric Distributions and Their Applications under **Emeritus Scientist scheme** (2015-18) Rs.16.50 lakhs

Other Assignments held at St.Thomas College Palai / Local Level:

Chairman, Pastoral Council, Diocese of Palai (2021-2025)
Managing Board Member, St.Thomas College Palai (2009 onwards)
Managing Board Member, Deva Matha College, Kuravilangad (2010-2014)
Chairman , RUSA Committee, Alphonsa College Palai
Member of Advisory Board, Civil Service Academy, Palai
Coordinator: NAAC Internal Quality Assurance Cell (2000-07)
Coordinator: UGC Projects and Proposals (1994-2000)
Controller of Examinations (1999-2000, 2001-2002)
Advisor, National Service Scheme (1988-1990)
Secretary, College Co-operative Society (1985-1988)
Director, Civil Service Forum (1995-2000)
Director, Women's Forum (2001-2007)
Member, Research & Consultancy Services Cell
Member, College Council & Planning Committee
Secretary/Chairman, St. Thomas Society for Science and Religion
Member, Faculty of Religion for last 33 years
Faculty member, Civil Service Institute, Pala
Member, Pastoral Council, Diocese of Pala (5 terms- 2003 onwards)
Member, Higher Education Council, Diocese of Pala

President/Executive member, P.T.A. Chavara Public School Pala
President/Executive member, P.T.A. Alphonsa College, Pala (2010-14)
Treasurer /Executive member, P.T.A. St.Thomas College, Pala
Member, Executive Council, Alumni Association, S.T.C. Pala
Vice-Chairman, Science Writers Forum, Pala
Chairman, Centre for Quantitative Analysis and Research in Social Sciences, Pala

Conferences/Seminars/Workshops/Refresher Courses etc Organized:

Organized 12 annual conferences and at least 200 regional conferences for Kerala Statistical Association. Also organized more than 200 quiz competitions and Seminars in Statistics at State /Regional level as General Secretary / President, KSA during 1995-2007.

Coordinator, Refresher Course in Statistics, M.G. University held at STC Palai (2001)

Chief Organizer, UGC sponsored National Conference on Stochastic Modeling, Design and Inference (1999)

Chief Organizer, Annual Conference of SSCA and National Seminar on Statistics and Computer Applications, November 2000

Chief Organizer, National Workshop on Statistics in Theory and Practice, sponsored by Indian Academy of Sciences, March 2003

Chief Organizer, 24th Annual Conference of I.S.P.S. and International Conference on Statistical Theory and Applications, ICSTA November 2004

Chief Organizer, International Workshop on Matlab, March 2005

Chief Organizer, 7th Annual Conference of SSFA and International Conference on Special functions and Applications, May 2007

Chief Organizer, 10th Annual Conference of Society for Statistics and Computer Applications to be held in November 2007

Chief Organizer of the International Workshop on Bayesian Inference, MCMC Methods, Open BUGS and R, December 2008

Co-Director of 6 DST sponsored SERC Schools for researchers in Mathematical Sciences (2005,2006,2007,2008,2009,2010).

Co-Director of DST sponsored training camps for Undergraduate students in Mathematics and Statistics during 2008, 2009,2010.

Chairman of International Conference on Mathematics and Statistics (ICMS), 2011

Chairman of International Conference on Biostatistics and Epidemiology, ICE 2012

Chairman, International Conference on Stochastic Modeling and Workshop on Meta Analysis, ICSM-IWMA 2014

Chairman, National Conference on Time Series and Actuarial Science(NCTAS2015) held at Central University of Rajasthan in August 2015.

Chairman, International Conference ICSA 2018 held at Palai in January 2018.

Chairman, International Conference on Mathematics, Statistics and Data Science, (ICMSDS 2022) held at MG University during 27-28 February 2022.

Consultancy

Resource person for more than 25 UGC-sponsored refresher courses in Statistics / Stochastic Processes / Biostatistics etc.

Consultant for research works at Rubber Board, C.P.C.R.I; C.T.C.R.I; K.F.R.I; Department of Economics and Statistics of the Government of Kerala, M.G. University Departments, I.P.S.R., many researchers etc

Lecture Notes compiled for P.G. Diploma in Statistics offered by the School of Distance Education, M.G. University. Guest Faculty at School of Distance Education, M.G. University, Guest Faculty at Civil Service Institute, Pala

Invited Speaker at Conferences / Seminars attended etc:

Invited Speaker at more than 100 National/International Conferences/Seminars at Mysore (1998,2000), Pune (2001,2006,2007), Cochin (2002, 2004, 2007,2008), Guntur (2004), Calicut (2005), Trivandrum (2003, 2006,2010), Philadelphia*, USA (2002), Northern Illinois*, USA (2002), Berlin*, Germany (2003), Frankfurt*, Germany (2005), Bangalore (2005), Pune (2006, 2009), Coimbatore (2006, 2007,2009), Mumbai (2007), Lisbon, Portugal (2007), Singapore (2008), Cochin (2009), Pune (2009), Chennai (2010), Kuwait (2010), Trivandrum (2011, 2012), Chennai (2010,2011,2013,2015), Dublin, Ireland (2011), Coimbatore (2011), Bangalore (2011) ,Kochi (2011,2012), Bhubaneswar (2012), Hyderabad (2012), Pala (2004,2007, 2011,2013,2014), Ludhiyana (2012), Vellore (2013) Hong Kong, China(2013), Pondicherry (2012,2013), Tirupati (2014), Jammu (2014), Rajasthan (2015), Rome (2016) etc. (*could not attend due to non-issue of VISA.)

List of Major Conferences/ Seminars Participated and delivered Invited Talks during last 3 years

1. Dr. K. K. Jose delivered an invited talk on ' Three Decades of Non-Gaussian Auto-regressive Time Series Modeling and Applications in the National Seminar on Recent Trends in Statistical Sciences held as part of of National Statistics Day Celebrations held at Dept. of Statistics, University of Kerala during 26-28 June 2019.
2. Dr. K. K. Jose delivered an invited talk on 'Recent Developments in Autoregressive Processes and Financial Modeling in the National Seminar on Recent Trends in Statistical Sciences held as part of te 40th Annual Conference of the Kerala Statistical Association held at Dept. of Statistics, University of Kerala during 7-9 March 2019.
3. Dr. K. K. Jose delivered an invited talk on Time Series Analysis and Modeling of Agricultural Crop Prices in the **Indian Science Congress** held at Manipur University during 16-20 March 2018.
4. Dr. K. K. Jose delivered an invited talk on Generalized Transformer Transformed family of Distributions and Their Applications in Industry in the National Seminar on Statistical Modeling and Data Analytics held on 19-20 March 2018 at Madras University, Chennai.
5. Dr. K. K. Jose delivered a series of talks on the Opportunities in Statistics and Related Fields at Dept. of Statistics, Kannur University on 22 August 2017.
6. Dr. K. K. Jose participated and delivered an invited talk on Generalized Count Models with Mittag Leffler and Gumbel Interarrival Times in the International Conference on Statistics for Twenty First Century organized by University of Kerala during 15-17 December 2017.
7. Dr. K. K. Jose delivered an invited talk on 'Biostatistics Teaching and Research in India: Challenges and Opportunities in the International Conference ICSA 2018 held at St. Thomas College Palai during 3-5 January 2018.
8. Dr. K. K. Jose participated and delivered an invited talk on Bayesian Methods in the Detection of Gravitational Waves in international conference organized by Bharathiyar University, Coimbatore as part of the Annual Conference of ISPS during 5-7 January 2018.
9. Participated in the Kerala Science Congress 2018 held at Govt Brennan College, Thalasserry during 28-30 January 2018 and acted as a judge in the poster and oral presentations for Young Scientist Award Competition in Mathematical and Statistical Sciences.
10. Dr. K. K. Jose delivered an invited talk on ' Big Data, Data Science and Biostatistics' at St. Thomas College Thrissur in the National Seminar held as part of Annual Conference of KSA held during 15-17 February 2018.
11. Dr. K. K. Jose delivered an invited talk on T-X family of Distributions in the National Seminar on Recent Trends in Statistics held on 13-15 March 2018.
12. Dr. K. K. Jose delivered an invited talk on T-X family of distributions and Gumbel-Pareto model with Applications in Industrial Reliability Sampling

Plans in the National Seminar on Statistical Theory and Applications (NSSTA 2017) held at University of Kerala during 27-29 June 2017.

13. Dr. K. K. Jose delivered an invited talk on 'Data Science and Statisticians' at Govt. sponsored held at Govt Arts and Science College, Kozhikode in January 2017.

14. Dr. K. K. Jose delivered an invited talk on 'Data Science and Emerging Opportunities for Statisticians' at KSA annual conference held at Kannur University in Feb 2017.

15. Participated in the Annual Conference of KSA held at Nirmala College Muvattupuzha held at 12-13 February 2016 and delivered the Prof. K. Ramakrishna Pillai Memorial talk on 'Generalized Families of Assymmetric Distributions and Applications'.

16. Participated and delivered two invited talks on 'Biostatistics in India- Recent Developments and Challenges' and 'Generalizations of Marshall-Olkin Family and its Applications in Biostatistics' in memory of Dr. R. N. Pillai in the International Conference on Statistics in the Twenty first Century (ICSTC) held at University of Kerala during 17-19 Dec 2015.

17. Participated in the National Conference NCTAS held at Central University of Rajasthan during 25-26 August 2015 and delivered an invited talk on 'Three Decades of Non-Gaussian Time Series Modeling'.

18. Participated and delivered the Keynote talk on 'Statistical Computing and Career Opportunities: Scope and Need' in the UGC sponsored National Workshop on Mathematical and Statistical Modeling and Computing held on 10-12 August 2015 at Assumption College Changancherry.

19. Participated in the Kerala Science Congress 2016 held at University of Calicut during 28-30 January 2016 and acted as a judge in the Young Scientist Award Competition in Mathematical and Statistical Sciences.

20. Delivered a series of Lectures on Stochastic Processes and Time Series Modelling at Department of Statistics, Kannur University during 28 February and and 1 March 2016.

21. Dr. K. K. Jose delivered an invited talk on 'Statistical Modeling and Probability Distributions' at Baselios College, Kottayam on 8th January 2016.

22. Dr. K. K. Jose delivered an invited talk on 'Teaching, Research and Consultancy' in the Workshop for college teachers at S.B. College Changanacherry on 15 September 2016.

23. Dr. K. K. Jose participated and delivered an invited talk on 'Challenges of Indian Agriculture and Non-Gaussian Time Series Models for Agricultural Crop Prices' in the **International Conference on Agricultural Statistics (ICAS 2016)** organized by **FAO-UN at Rome** during 26-28 October 2016.

24. Dr. K. K. Jose delivered an invited talk on 'Research and Career Opportunities in Statistics and related areas' on 19-10-2016 at the Dept. of Statistics, Calicut University.

25. Dr. K. K. Jose participated and delivered an invited talk on Harris Extended Distributions and Their Applications in ICSTC international conference organized by University of Kerala in 17-19 Dec 2016.

26. Participated and delivered invited talk on "Marshall-Olkin Family of Generalized Distributions and Their Applications' in the DST National Conference on Recent Trends in Statistical Theory and Practice at Madras University, Chennai during 16-17 March 2015.

27. Participated and chaired a session in the International Conference on Optimization and Business Analysis for Sustainable Development, Central University of Rajasthan, 20-22 February 2015

28. Participated and delivered invited talk on 'Some Generalized Poisson Processes and their Applications' in the International Conference on

Biostatistics held at University of Jammu during 1-3 November 2014 as part of ISMS Annual Conference.

29. Participated and delivered an invited talk on 'Count Models for Modeling Climate Change and Incidence of Diseases" in the International Conference on Statistics and Information Technology for a Growing Nation held at SV University, Tirupathy during 31 Nov-2 December 2014 as part of Annual Conference of ISPS.

30. Delivered an invited talk on 'Lifetime Modeling using Marshall-Olkin Generalized Exponential Distribution' in the International Conference on Stochastic Modeling and Workshop on Meta Analysis held at Palai during 3-5 January 2014.

31. Delivered an invited talk on 'Product Autoregressive Models and Financial Modeling' in the National Seminar on Statistics for Twenty First Century held at Dept. of Statistics, University of Kerala, during 18-20 March 2014.

32. Participated in the World Statistics Conference and 59th Biennial Meeting of International Statistical Institute held at Hong Kong, China during 25-30 August 2013 and delivered an invited talk on "Brownian - Laplace Motion and its Applications in Financial Modeling".

33. Participated and delivered an invited talk on 'Bio-Statistical Applications of Marshall-Olkin Family of Distributions' in the International Conference on Biostatistics and Epidemiology held at CMC Vellore as part of ISMS Annual Conference and International Year of Statistics celebrations during 28-30 October 2013

34. Participated in the National Seminar on Higher Education in India as part of Diamond Jubilee Celebrations of Xavier Board of India held at Christ University, Bangalore on 4th July 2012.

35. Delivered a plenary talk on 'Time Series Modelling of Temporal Micro-array data on cancer' in the 'International Conference on Epidemiology with special emphasis on Modelling Time Series Data on Cancer' held at Pala during 16-18 August 2012.

36. Delivered an invited talk on 'A New Counting Process Model for Interdependence between Climate Change and Epidemic Incidence with special reference to Chikungunya and Cholera' in the National Conference on Medical Statistics organized as part of the Annual Conference of Indian Society for Medical Statistics held at Dayanand Medical College and Research Institute, Ludhiyana, Panjab during 6-8 October 2012.

37. Delivered an invited talk on "Discrete Mittag-Leffler Distributions and Integer valued Autoregressive Processes' in the National Conference on Statistics for 21th Century' held at Dept. of Statistics, University of Kerala during 10-12 December 2012.

38. Delivered an invited talk on 'Random Self-decomposability and its Applications in Autoregressive Time Series Modelling' in the International Conference on Frontiers of Statistics and its Applications held as part of 32th ISPS Annual Conference held at Pondicherry Central University during 21-23 December 2012.

39. Delivered an invited talk on 'Three Decades of Non-Gaussian Autoregressive Time Series Modelling- A Review ' in the International Workshop on Statistical Analysis of Time Series Data and Applications organized by Dept. of Statistics, CUSAT, Kochi as part of International Year of Statistics 2013 celebrations, in collaboration with International Society for Business and Industrial Statistics during 14-16 January 2013.

40. Delivered an invited talk on 'Applications of Generalized Marshall-Olkin Exponential Distributions' in the National Seminar on Statistical Theory and Applications organized by the Dept. of Statistics as part of International Year of Statistics 2013 celebrations and Annual Conference of the Kerala Statistical Association during 15-16 March 2013.

41. Participated in the National Conference for Vice Chancellors and Principals on 'Inspiring Higher Educational Institutions for Nation Building' organized by

AIACHE, New Delhi and held at Christ University, Bangalore during 1-3 May 2013.

42. Delivered an invited talk on 'Product Autoregressive Models with Log-Laplace and Double Pareto Log-Normal Marginal Distributions' in the International Conference on Statistics, Science and Society: New Challenges and Opportunities organized by Indian Statistical Institute, Madras University and International Indian Statistical Association as part of International Year of Statistics, 2013 Celebrations at Chennai during 2-5 January 2013.

43. Participated in the **World Statistics Conference** and 58th Biennial Meeting of **International Statistical Institute held at Dublin**, Ireland during 22-30 August 2011 and delivered a contributory talk on "Marshall-Olkin Distributions and Their Applications in Time Series Modeling and Stress-Strength Reliability Analysis" under ISI-World Bank Travel Fund Award.

Ph.D. Awarded/completed under my supervision (24+3*=27)

1. V. Seethalekshmi (2003). "Non-Gaussian Time Series Modeling and Applications". (Ph.D. awarded in 2004)
2. Alice Thomas (2003). "A Study on a Class of Univariate and Bivariate Distributions with Special Emphasis on Time Series Modeling" (Ph.D. awarded in 2004).
3. Jikcey Issac (2004). "Single Use Confidence Regions in Multivariate Calibration". (Ph.D. awarded in 2005).
4. Merry Eapen (2004). "Some Contributions to the Use of Auxiliary Information in Sample Surveys" (Ph.D. awarded in 2005)
5. Joy Jacob (2005). "A Study of Non-Gaussian Distributions and Time Series Models". (Ph.D. awarded in 2006)
6. J. Sreekumar (2007). "Statistical Modeling of Micro-arrays and Gene Expression Data" (Ph.D. awarded in 2008).
7. E.S.Sindhu *(2008) Random Walk on 3 or more dimensions and Applications in Chemistry (Ph.D. awarded in 2009, *co-guide only)
8. Shanoja R. Naik (2008) "Pathway Distibutions, Autoregressive Processes and Applications" (Ph.D. awarded in 2009).
9. Jayamol K.V.(2009) "On Some Lifetime Distributions in Statistical Reliability Modelling and Their Applications" (Ph.D. awarded in 2010)
10. Lishamol Tomy(2009) "Time Series Models with Convolutions of Gaussian Non-Gaussian Marginal Distributions"(Ph.D. awarded in 2010)
11. Padmini Uma (2009) "Ramifications of of alpha- Laplace Distribution and Applications" (Ph.D. awarded in 2010)
12. Ancy Jose (2010) "A Study on Marshall-Olkin Distributions and Minification Processes"(Ph.D. awarded in 2011)
13. E. Krishna (2011) "Marshall-Olkin Generalisation of Some Distributions and Their Applications " (Ph.D. awarded in 2012)
14. Rani Sebastian (2011) "Autoregressive Minification Processes and Their Applications" (Ph. D. awarded in 2013)
15. Aleyamma Mathew (2011)"Statistical Modelling and Projections for Breast and Reproductive Tract Cancers in Kerala"(Ph. D. awarded in 2013)
16. Jane A. Luke (2012) " Confidence Intervals for Process Capability Indices with respect to Random Effects and Autocorrelated data" (Ph. D. awarded in 2013)
17. Bindu Abraham (2012) "Modeling and Analysis of Queuing Systems with Discrete Autoregressive Arrivals and Counting Processes" (Ph.D. awarded in 2013)
18. Mariyamma K.D. (2013) "A Study on Discrete Distributions and Integer Valued Autoregressive (INAR) Processes" (Ph.D.awarded in 2014)
19. Manu Mariam Thomas (2013) "Generalized Laplacian Distributions and Their Applications" (Ph. D. awarded in 2014).

20. Binoy Jacob (2014)"A Statistical Approach to Godel's Theorems with Reference to Central Limit Property" (Ph.D. awarded in 2015)
21. Ramesh B.Nair (2014) " Modified Statistical Methods for Field Experiments with Natural Rubber, Hevea Brasiliensis (Ph.D. awarded in 2015)
22. Remya Sivadas (2015) "On Generalizations of Marshall-Olkin Family and their applications in reliability and industry" (Ph.D. awarded in 2016)
23. Savitri Joshi(2016)* "Inference on Change point problem in hazard rates and other related studies".(Joint supervisor at Central University of Rajasthan; Ph.D. awarded in 2017)
24. Jeena Joseph (2018) Gumbel-X Family of Distributions and Their Applications (Ph. D. Thesis awarded in 2019).
25. Jisha Varghese: "On Generalized Skew- Symmetric Distributions and their Applications". (Ph. D. awarded in 2019).
26. Albin Paul: "A New Class of Asymmetric Distributions and Their Applications". (Ph. D. awarded in 2020).
27. Shalitha Jacob*: " Some Families of Distributions with Applications in Lifetime Modeling and Risk Analysis '' (Ph. D. awarded in 2021).*co-guide

Research Papers published by K.K.Jose and team

Refereed International Journals (Google citations: Jose Kanichukattu Total: 759, h-index-17, i-10 index: 26**)**

1. K.K. Jose and Alice Thomas (2004). Bivariate semi-Pareto minification processes. *Metrika*, **59(3**), 305-313.

2. K.K. Jose and Alice Thomas (2003). Marshall-Olkin Pareto processes. *Far East J. Theor. Statist., **9(2),** 117-132.

3. K.K. Jose and V. Seethalekshmi (2004). An autoregressive process with geometric alpha-Laplace marginals. *Statistical Papers*, **45(2**), 337-350.

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5. K.K. Jose and Merry Eapen (2003). Some modified product estimators of finite population mean based on a single anciliary variable. *Far East J. Theor. Statist*., **10(2),** 157-165.

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6) Dr. Babu Sebastian, Former VC, MG University, Kottayam

Other Achievements/Contributions:

 I was appointed as Hon. Director of the School of Mathematics & Statistics and School of Data Analytics of M.G.Universty Kottayam n June 2020 and is continuing in the same post.I had been Head of the Dept. of Statistics and Biostatistics at St.Thomas College Palai, M.G.University for 12 years from 1997 to 2009 and then Principal for 5 years during 2009-2014. I took leadership in starting the M. Sc. Biostatistics program with specialization in Epidemiology and SAS Programing at St.Thomas College Palai in 2005 under **UGC Innovative Program** and it proved a grand success in getting excellent employment opportunities to students. Also instrumental in developing the Dept. of Statistics at St. Thomas College, Pala as a leading research centre in Statistics and Biostatistics in India with financial support of UGC, DST-FIST, MOSPI, CSIR, KSCSTE, RBI etc. Dept. of Statistics received DST-FIST support in 2005.

Encouraged and helped many of my students to get appointment in the Indian Statistical Service (I.S.S.), Indian Administrative Service (I.A.S.) and many are employed as College / University teachers, Biostatisticians, Applied Statisticians, Bank Officers, etc. in India and abroad. Organized more than 25 National and International conferences, seminars, workshops etc at Pala. Popularized Statistics and Biostatistics and its applications in Kerala by conducting more than 200 quiz competitions and regional seminars at various places in Kerala. Also organized many workshops in MATLAB, MINITAB, SPSS, SAS, R etc for data analysis.

Encouraged many students to pursue research leading to Ph. D. **My research student Lishamol Tomy won the prestigious** Jan Tinbergen Award 2007 of the International Statistical Institute. **I was successful in getting the UGC approval as a** College with Potential for Excellence (CPE) during my tenure as Principal **of St. Thomas College Palai. I had started 2 PG Programs and 4 UG Programmes during 2009-14. Later the college was** reaccredited with A Grade by NAAC with CGPA 3.30 in 2015 and selected for financial assistance in Phase II of CPE of UGC during 2016-21. I have tried my best to impart values, sincerity and commitment to society through my work and practice.

 Pala
 12 -12 - 2019   **Dr. K. K. Jose**