

INTERNATIONAL CONFERENCE
ON
RECENT TRENDS IN STATISTICS AND DATA ANALYSIS (RTSD- 2023)
in conjunction with

44TH ANNUAL CONFERENCE OF KSA

DAY 1: 31/03/2023 (ONLINE MODE)

Link to Main Hall : <https://meet.google.com/zqq-qrix-sri>

Entering the MEET Room : 08: 35 to 08: 59 AM IST

9:00 AM TO 10:00 AM IST

INAUGURAL SESSION

Welcome Address: **Rev Fr. Dr. Gigi Thomas**, HoD, Department of Mathematics, MIC (5min)

Presidential Address: **Prof. C Satheesh Kumar**, President KSA (5 min)

Inaugural Address: **Prof. Jijimon K Thomas**, Principal, MIC (10 min)

Felicitations: (5 min each)

Prof. K Kalyanaraman (Former Professor, Dept. of Statistics, University of Kerala)

Prof. P Yageen Thomas (Former Emeritus Professor,, Department of Statistics, University of Kerala)

Prof. N Balakrishna (Professor and Dean, Department of Statistics , CUSAT)

Dr. Joseph Justin Rebello (Secretary, KSA)

Vote of Thanks: (5min)

Dr. Subha R Nair (Organizing Secretary, RTSD-2023)

Technical Session 1: 10: 05 AM to 10:25 AM IST

Link to Main Hall: <https://meet.google.com/zqq-qrix-sri>

Keynote Address

Session Chair		Prof. P Yageen Thomas
Talk no	Name of Keynote Speaker	Title of Presentation
1	Prof. N Unnikrishnan Nair (Former Vice Chancellor, CUSAT)	Dependence in Multivariate Analysis

Technical Session 2: 10:30 AM to 11:15 AM IST

Link to Main Hall : <https://meet.google.com/zqq-qrix-sri>

Keynote Address

Session Chair		Prof. Narinder Kumar , University of Punjab
Talk no	Name of Keynote Speaker	Title of Presentation
2	Prof. Tomasz J. Kozubowski (Professor, Department of Mathematics and Statistics, University of Nevada, USA)	Weighted distributions, random truncation, and partial extremes

Technical Session 3: 11:20 AM to 11:50 AM IST

Link to Main Hall : <https://meet.google.com/zqq-qrix-sri>

Prof A M Mathai Endowment Lecture

Session Chair		Rev Fr. Dr. Gigi Thomas
Talk no	Name of Invited Speaker	Title of Presentation
1	Prof. D. K. Ghosh (Professor, Marwadi University, Morvi Road, Rajkot)	Partial diallel crosses using resolvable semi-regular group divisible designs

Technical Session 4: 11:55 AM to 12: 25 PM IST

Link to Main Hall: <https://meet.google.com/zqq-qrix-sri>

Prof Ramakrishna Pillai Endowment Lecture

Session Chair		Prof. K Jayakumar
Talk no	Name of Invited Speaker	Title of Presentation
1	Prof. Sankaran P G (Professor and Pro-Vice Chancellor, CUSAT)	Modeling and analysis of doubly censored recurrent event data

(12:25 PM to 01:25 PM IST - Lunch Break)

Technical Session 5: 01:25PM to 02: 25 PM IST

Link to Main Hall : <https://meet.google.com/zqq-qrix-sri>

Invited Session

Session Chair		Prof. D K Gosh
Talk no	Name of Invited Speaker	Title of Presentation
1	Prof R. Elangovan (Professor, Department of Statistics, Annamalai University)	A new generalized Length Biased Hamza Exponential Frailty Model in Survival Analysis
2	Prof. K Jayakumar (HoD, Department of Statistics, Calicut University)	On Distributions of Class L and Stable Laws

Technical Session 6: 02:30 PM to 03:30 PM IST

Link to Main Hall : <https://meet.google.com/zqq-qrix-sri>

Invited Session

Session Chair		Prof. R Elangovan
Talk no	Name of Invited Speaker	Title of Presentation
3	Prof. Devendra Kumar (Professor, Department of Statistics, Central University of Haryana)	Classical Estimation for modified Lindley Distribution based on Order Statistics with Applications
4	Dr. G Uma (Professor, Department of Statistics, PSG College)	Enhancement of Medical Sciences with Neutrosophic Logic – An Overview

Technical Session 7: 03:35 to 05:05 PM IST

Contributory Sessions

Parallel Session 7A : Data Analytics /Regression Analysis

Link to Hall 7A: meet.google.com/nue-ythn-twX

Session Chair		Dr. Uma G,
Talk no	Name of Speaker	Title of Presentation
1	Sriharini Basavaraju	Prediction of brain stroke risk through Machine & deep learning techniques
2	Aamir Khan	Multiple jobs assigned to a single machine within available cost

3	A Poompavai	Classification and Prediction of Rainfall Database in Southern India Using Machine Learning Algorithms
4	G. Avinash	Deep Learning for Univariate Time Series Prediction with Convolutional LSTM Stacked Autoencoders
5	Sharanbasappa	An advanced learning based binning approach for Metagenomics data

Parallel Session 7B: Distribution Theory/Inference/Design of Experiments

Link to Hall 7B: <https://meet.google.com/xyx-qobi-pfj>

Session Chair		Dr. M. R. Sindhumol , Madras University
Talk no	Name of Speaker	Title of Presentation
1	Bishal Dayah	Discriminating among inverse Weibull, lognormal, and inverse Gaussian distributions
2	Roshni.C,	An Extension of Prakaamy Distribution with Properties and Applications
3	Swarnalatha E.,	A New Mixture of Three Inverse Gamma distributions
4	Bilal Ahmad Sheikh	A New Distribution: Its Properties, Applications And Similarities with Exponential Distribution
5	Chitra Devi A	A-Optimality for Gamma Regression Model
6	Nikita Lall	An Improved Ratio and Product-type Strategy for Estimating the Finite Population Mean
7	Poonam Singh	Nearly orthogonal array mappable into fully symmetric orthogonal array of strength two
8	Swetha.N	Construction Of Locally A – Optimal Design for Poisson Regression Model Using Square Root Link
9	Vinayaka	Resolvable and 2-

		Replicate PBIB Designs based on Higher Association Schemes Using Polyhedra
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Parallel Session 7C: Applied Statistics/Bio Statistics/Time Series

Link to Hall 7C :<https://meet.google.com/bbn-trrc-jxg>

Session Chair		Dr. Baiju K V , Govt. College for Women, Trivandrum
Talk no	Name of Speaker	Title of Presentation
1	S. Joyce Sharline	Estimating the Risk for Development of Breast Cancer using Gail Model
2	S. Abeena Shantini	Analysis of multivariate statistical data for the national family health survey to determine the nutritional status of children in Maharashtra, India
3	Jutan Das	Identification and characterization of tissue wise non-coding RNAs in Common carp (Cyprinus carpio L.)
4	Wajahat Ali	A Model For Solid Transportation Problem With Three Hierarchical Objectives Under Uncertain Environment
5	Mohammad Shareef	Unsteady mhd flow along exponentially accelerated vertical plate with linearly dependent temperature
6	Sripriya Muppidi	Classification and Prediction of Air Quality Index in the Metropolitan Cities of India
7	Mounika,	Forecasting Time Series Data Using Mixture Model
8	S. Vishnu Shankar	Modeling and forecasting of chilly arrivals of Dehradun through hybrid time series techniques

Technical Session 8: 05:10 PM to 05:40 PM IST

Link to Main Hall(A) : <http://meet.google.com/xzz-oivj-ymc>

Invited Session

Session Chair		Dr. Satheesh S
Talk no	Name of Invited Speaker	Title of Presentation
5	Prof. Asokan Mulayath Variyath (Professor, Department of Mathematics and Statistics, Memorial University, St. John's, NL, Canada)	Performance Evaluation of Support Points

Technical Session 9: 05:50 PM to 07:50 PM IST

Link to Main Hall(A) : <http://meet.google.com/xzz-oivj-ymc>

Invited Session

Session Chair		Prof. Devendra Kumar
Talk no	Name of Keynote Speaker	Title of Presentation
6	Prof. K K Jose (Professor and Director, School of Mathematics and Statistics and Data Analytics, MG University)	Role of Statistics in Artificial Intelligence and Machine Learning
7	Dr. S Gandhya Vendhan (Country Coordinator, International Statistical Institute and Professor, Department of Statistics, Bharathiar University)	Active Learning in MONAI for Medical AI
8	Dr. Satheesh S (Professor, School of Data Analytics, M G University)	A note on Type II Generalized Laplacian Family
9	Prof. C Satheesh Kumar , Professor and Director, School of & Physical Mathematical Sciences, University of Kerala	On Alternative Hyper-Poisson Family of Distributions and Its Generalizations

DAY 2: 1/04/2023 (OFFLINE MODE)

Technical Session 10: 9:30 AM TO 10:30 AM IST

Invited Sessions

Parallel Session 10 A

Session Chair		Prof Dr. Johnny Scaria , Nirmala College, Muvattupuzha
Talk no	Name of Keynote Speaker	Title of Presentation
10	Prof P Yageen Thomas (Former Emeritus Professor, Department of Statistics, University of Kerala)	On Absolved Order Statistics
11	Prof. Aleyamma Mathew (Professor & Head Division of Cancer Epidemiology & Biostatistics Regional Cancer Centre)	Transition of Cancer Statistics in the past four decades"

Parallel Session 10 B

Session Chair		Dr. Riaz A , University of Kerala
Talk no	Name of Keynote Speaker	Title of Presentation
12	Dr. Abdul Sathar (HoD, Department of Statistics, University of Kerala)	Estimating Dynamic Survival Extropy for Complete and Censored Data using Nonparametric Methods
13	Dr. N K SajeevKumar (Assistant Professor, University College)	Estimation of Common Mean of Normal and Double exponential Distributions with Known Coefficient of Variation by Ranked Set Sampling

Technical Session 11: 10:35 AM TO 11: 20 AM IST

QUIZ COMPETITION (ONLINE)

Dr. U S Nair ever Rolling Trophy for all Kerala Quiz Competition in Statistics

(11: 20 AM to 11: 35 AM IST - Tea Break)

Technical Session 12: 11:35 AM to 01: 05 PM IST

Prof. R N Pillai Young Statistician Award for the Best Research Paper

(01: 05 PM to 01:50 PM IST - Lunch Break)

Technical Session 13: 01:50 to 02:30 PM IST

Contributory Sessions

Parallel Session 13 A: Entropy/Inference/SQC

Session Chair		Dr. Dias George , Catholicate College, Pathanamthitta
Talk no	Name of Speaker	Title of Presentation
1	Lekshmi Krishnan, C. U.	Bivariate extension of Weighted Dynamic Survival Extropy and its Quantile approach
2	Jaaziah P John	Inference Based on Sequential Order Statistics with Lomax Distribution
3	R. Vijayaraghavan	Evaluation of Reliability Special Type Double Sampling Plans based on Birnbaum – Saunders Distribution

Parallel Session 13 B: Distribution Theory

Session Chair		Dr. Sreeja Kumari , University College, Thiruvananthapuram
Talk no	Name of Speaker	Title of Presentation
1	Harisankar, S	On Some Properties and Applications of Bivariate Extended Yule Distribution
2	Abin John	Applications of Kumaraswamy generalization of Log Esscher transformed Laplace distribution
3	Rakhi Ramachandran	A Zero-inflated Poisson Distribution of Order k and its Applications
4	Krishnakumari.K	Left Truncated Esscher Transformed Laplace Distribution and its Application in failure time data

Parallel Session 13 C: Reliability Analysis

Session Chair		Dr. Sindu T K , Arts College, Thiruvananthapuram
Talk no	Name of Speaker	Title of Presentation
1	Alphonsa Georg	Reliability Test Plan for the Poisson Exponentiated Weibull Distribution

2	Ashly Elizabeth Koshy	Multicomponent Stress Strength reliability for exponentiated Gumbel distribution using ranked set sampling
3	Parvathy Sobhanan	Estimation of Some Reliability Measures of the Pareto Distribution
4	Anitta Susan Aniyam	Topp-Leone Teissier Distribution: Properties and Estimation

Parallel Session 13 D: Applied Statistics/Biostatistics

Session Chair		Dr. Preethi Sarah George , Regional Cancer Centre, Thiruvananthapuram
Talk no	Name of Speaker	Title of Presentation
1	Muhsina A.	Principal Component Analysis on soil fertility parameters in vegetable growing locations of Kottayam district of Kerala
2	N. Paranjothi, A. Poongothai	Self-organizing map in clinical classification
3	Saritha M B	Multivariate Exponentially Weighted Moving Average Control Chart under Neutrosophic Environment: A bootstrap approach.

02:35 PM to 04: 00 PM IST

KSA GENERAL BODY MEETING AND FELICITATION TO RETIRED/RETIRING MEMBERS

04:00 to 04: 30 PM IST

VALEDICTORY FUNCTION

Thank you