



## LIST OF ACCEPTED PAPERS TO APPEAR IN THE FORTHCOMING VOLUMES OF STATISTICS AND APPLICATIONS

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### Volume 19, Number 2 (December), 2021

1. On DUS Transformed Weibull Distribution and its Properties  
*Kalsoom Akhtar Chaudhry and Javaria Shareef*  
(Accepted: 01 July 2020)
2. Mixture Designs Generated Using Orthogonal Arrays From Mutually Orthogonal Latin Squares  
*Poonam Singh, Vandana Sarin and Neha Midha*  
(Accepted: 06 July 2020)
3. Factors Affecting on the Usage Pattern of Cloud Storage in Vadodara City of Gujarat  
*Khimya Tinani, Bhargav Choithwani, Bhagyashree Patil, Pathan Faiyazkhan and Tanvi Salat*  
(Accepted: 13 July 2020)
4. Generalized Lindley Shared Frailty Models  
*Arvind Pandey, David D. Hanagal and Shikhar Tyagi*  
(Accepted: 24 July 2020)
5. Combinatorial Patterns of D-Optimal Weighing Designs Using a Spring Balance  
*Monica Pena Pardo and Jyotirmoy Sarkar*  
(Accepted: 08 August 2020)
6. Depicting Bivariate Relationship with a Gaussian Ellipse  
*Jyotirmoy Sarkar and Mamunur Rashid*  
(Accepted: 08 August 2020)
7. Modelling Pepper Export Income in Sri Lanka Using Deterministic Decomposition and Seasonal ARIMA Models  
*W.P.M.C.N. Weerasinghe and D.D.M. Jayasundara*  
(Accepted: 08 October 2020)

8. Forecasting Infant Mortality Rate of India Using ARIMA Model: A Comparison of Bayesian and Classical Approaches  
*Manika Agarwal, Praveen Kumar Tripathi and Sarla Pareek*  
(Accepted: 09 October 2020)
9. On Association in Time of Markov Process With Application to Reliability and Survival Analysis  
*M. Manoharan and V.M. Chacko*  
(Accepted: 14 October 2020)
10. Estimation of Cure Fraction and Misclassification Probabilities for HIV/AIDS Patients Under ART Using Continuous Time Hidden Markov Model  
*Gurprit Grover, Sangeeta Chakravorty, Arpan Kumar Thakur*  
(Accepted: 23 November 2020)
11. Joint Modeling of HIV and Tuberculosis through Copula-based Bivariate Binary Model  
*Atanu Pal and Arabinda Das*  
(Accepted: 08 December 2020)
12. Modeling of Mobile Telephone Subscribers Using Piecewise Nonlinear Growth Models  
*P.K. Das and Anita Pal*  
(Accepted: 09 December 2020)
13. Estimating Sensitive Population Proportion Permitting Options for Various Respondents' Choices  
*Purnima Shaw and Sanghamitra Pal*  
(Accepted: 11 December 2020)
14. Irrigation Practices and Soft Computing Applications: A Review  
*Pradeep H.K., Jasma Balasangameshwara, M.S. Sheshshayee, K. Rajan and Prabhudev Jagadeesh*  
(Accepted: 15 December 2020)
15. Cause Specific Shared Frailty Proportional Reversed Hazards Models  
*Gleeja V. L. and P.G. Sankaran*  
(Accepted: 20 December 2020)
16. Uniform Spacings — a Bird's-eye View  
*Sthitadhi Das and Saran Ishika Maiti*  
(Accepted: 23 December 2020)
17. Estimating the Area under the ROC Curve in the Framework of Lindley Centered Distributions  
*Balaswamy, S. and Vishnu Vardhan, R.*  
(Accepted: 27 December 2020)

18. Measuring Interchangeability in School Lunch Intervention Data Using Concordance Correlation Coefficient  
*Gokul, T., Srinivasan, M.R. and Swaminathan, V. D.*  
(Accepted: 30 December 2020)
19. Automation of USDA Triangle Soil Texture Classification Using Finite State Machine: A Novel Conceptual Modeling Approach  
*Pradeep H.K., Jasma Balasangameshwara, K. Rajan, Madhu, M., Archana, B.K.*  
(Accepted: 31 December 2020)
20. Frequentist Predictive Inference For Wind Direction Data Under  $l$ -modal Circular Normal Model Through Sufficiency Approach  
*Sahana Bhattacharjee and Kishore Kumar Das*  
(Accepted: 08 January 2021)

### **FURTHER FORTHCOMING ACCEPTED PAPERS**

1. Markov-Switching GARCH and Mixture of GARCH-type Models for Accuracy in Forecasting  
*Godfrey Joseph Saqware and Ismail B.*  
(Accepted: 18 January 2021)
2. Adjusted Design Effect Model for Individual Variables in Survey Data  
*Mohammed Quazi and Yan Lu*  
(Accepted: 28 January 2021)
3. Selective Harvesting of Tobacco Leaves: An Approach based on Texture Features  
*P.B. Mallikarjuna and D.S. Guru*  
(Accepted: 01 February 2021)
4. The Transmuted Inverted Nadarajah-Haghighi Distribution: Different Estimation Methods and Applications  
*R.M. Mandouh*  
(Accepted: 05 February 2021)
5. Lexicon Based Sentiment Analysis (LBSA) to Improve the Accuracy of Acronyms, Emoticons, and Contextual Words  
*T. Nikil Prakash and A. Aloysius*  
(Accepted: 08 February 2021)
6. Correlated Inverse Gaussian Frailty Models Based on Reversed Hazard Rates  
*David D. Hanagal*  
(Accepted: 09 February 2021)

7. Efficient Use of Non-Sensitive Auxiliary Variable under Scrambled Randomized Response Mechanism for Estimating Sensitive Population Mean in Successive Sampling  
*Housila P. Singh and Preeti Patidar*  
(Accepted: 02 March 2021)
8. Some Recursive Constructions of  $\alpha$ -Resolvable Group Divisible Designs  
*Shyam Saurabh and Kishore Sinha*  
(Accepted: 10 March 2021)
9. An Economical Study of Two- State Queueing Model with Initial Customers and Bernoulli Schedules  
*Sharma and Indra Rani*  
(Accepted: 11 March 2021)
10. A General Class of Product-cum-Ratio-Type Exponential Estimators in Double Sampling for Stratification of Finite Population Mean  
*Housila P. Singh and Pragati Nigam*  
(Accepted: 13 March 2021)
11. A Few Methods of Stratification for Allocation Proportional to Stratum Total under a Superpopulation Model  
*Bhuwaneshwar Kumar Gupta and Md. Irphan Ahamed*  
(Accepted: 28 March 2021)
12. Chain Ratio-Type and Exponential Chain Ratio-Ratio-Type Estimators in Double Sampling for Stratification  
*Housila P. Singh and Pragati Nigam*  
(Accepted: 21 April 2021)
13. Cost and Profit Analysis of State-dependent Feedback Queue with Impatient Customer Subject to Catastrophes  
*Ankita Roy Chowdhury, Indra*  
(Accepted: 23 April 2021)
14. Bayesian Inference of Progressive Type - II Censored Data using Mixture of Log Logistic Distributions  
*S.S. Bhavsar and M.N. Patel*  
(Accepted: 01 May 2021)
15. Estimation in Shifted Lindley Distribution  
*Saran Ishika Maiti, Sourav Rana and Arindom Chakraborty*  
(Accepted: 01 May 2021)
16. Bayesian Modeling of VAR Model with Multiple Covariates  
*Umme Afifa, Varun Agiwal and Jitendra Kumar*  
(Accepted: 07 May 2021)

17. **On Uniform Truncated Poisson Distribution and its Applications**  
Krishnarani S. D. and Vidya V. P.  
(Accepted: 13 May 2021)
18. **Fitting Model for Self-Similar Traffic - Time Dependent Markovian Process and Second Order Statistics**  
Abhilash Vollala and Malla Reddy Perati  
(Accepted: 20 May 2021)
19. **Soft Computing based DECEL Model for Optimization of Water Usage in Irrigation Management**  
*Pradeep H.K., Jasma Balasangameshwara, K. Rajan, Archana B.K.*  
(Accepted: 23 May 2021)
20. **Symbolic Data Analysis vs Classical Data Analysis: A Comparative Study**  
*Dipanka Bora and Hemanta Saikia*  
(Accepted: 09 June 2021)