



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

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### **Forthcoming Accepted Papers**

1. R-optimal Designs for Logistic Regression Model in Two Variables  
*Authors: Mahesh Kumar Panda and Tofan Kumar Biswal*  
(Accepted: 04 April 2024)
2. Estimation for the Length Biased Log-Logistic Model under Adaptive Progressive Type II Censoring  
*Authors: Ranjita Pandey, Pulkit Srivastava and Sweta Shukla*  
(Accepted: 06 April 2024)
3. R-optimal Designs for Gamma Regression Model with Two Parameters  
*Authors: Mahesh Kumar Panda, Tofan Kumar Biswal and V.K. Gupta*  
(Accepted: 12 April 2024)
4. Discrete Type I Half-Logistic Weibull Distribution and Its Properties  
*Authors: M. Girish Babu and K. Jayakumar*  
(Accepted 14 April 2024)
5. Bulk Queuing Model with Reneging of Customers and their Retention  
*Shejal Gupta, Pradeep K. Joshi and K.N. Rajeshwari*  
(Accepted: 16 April 2024)
6. Inference Techniques, Properties, and Applications of the T-Marshall-Olkin X Family of Distributions  
*Authors: Meenu Jose and Lishamol Tomy*  
(Accepted: 24 April 2024)
7. Competing Risks Models with Multistate and Intermediate States  
*Authors: A. M. Rangoli, A. S. Talawar and R. P. Agadi*  
(Accepted: 25 April 2024)
8. Extinction and stationary distribution of a stochastic SEII<sub>a</sub>I<sub>q</sub>HR epidemic model with intervention  
*(Authors: Tamalendu Das, Tridip Sardar and Sourav Rana)*  
Accepted: 29 April 2024

9. Sample Size Determination for Clinical Studies when Crisp Inputs are not available  
(Authors: Sai Sarada Vedururu, R.Vishnu Vardhan and K.V.S. Sarma)  
Accepted: 01 May 2024
10. Construction of Order-of-Addition-Orthogonal Array Designs  
(Authors: Muhsina A., Baidya Nath Mandal, Rajender Parsad and Sukanta Dash)  
Accepted: 25 May 2024
11. A Hybrid ARIMA-GARCH type Copula approach for Agricultural Price Forecasting  
(Authors: B. Manjunatha, Ranjit Kumar Paul, Ramasubramanian V., Amrit Kumar Paul, Md. Yeasin, Mrinmoy Ray, G. Avinash and Chandan Kumar Deb)  
Accepted: 07 June 2024
12. Environmentally Responsible Index Tracking: Maintaining Performance while Reducing Carbon Footprint of the Portfolio  
(Authors: Lakshmi M.V., Soudeep Deb, and Rituparna Sen)  
Accepted: 08 June 2024
13. A Comprehensive Review of Data Science, Artificial Intelligence, and Big Data Analytics in Indian Official Statistics  
(Authors: Prasily P. and Manoharan M.)  
Accepted: 09 June 2024
14. Three-State Markov Probability Distributions for the Stock Price Prediction  
(Authors: Tirupathi Rao Padi, Sarode Rekha, and Gulbadin Farooq Dar)  
Accepted: 10 June 2024
15. An Economic Analysis of Two-Node Tandem Queue with Feedback  
(Authors: Ankita Roy Chowdhury and Indra)  
Accepted: 19 June 2024
16. Bayesian Estimation of Scale Parameter of Inverted Kumaraswamy Distribution Under Various Combinations of Different Priors And Loss Functions  
(Authors: Ableen Kaur, Parmil Kumar, and Hemani Sharma)  
Accepted: 19 June 2024
17. Determining Optimal Threshold and some Inferential Procedures for a Skewed ROC model in the Binary Classification Framework  
(Authors: Sandhya Singh, Saebugari Balaswamy and R.Vishnu Vardhan)  
Accepted: 25 June 2024

18. Nonparametric Estimation of Extropy-Related Measures with Length-Biased Data  
(Authors: R. Dhanya Nair and E.I. Abdul Sathar)  
Accepted: 30 June 2024
19. Mathematical model for spread of COVID-19 virus using fractional order approach  
(Authors: Gajanan S. Solanke and Deepak B. Pachpatte)  
Accepted: 15 July 2024
20. Neutrosophic Marshall Olkin Extended Burr-XII Distribution: Theoretical Framework and Applications with Multiple Survival Time Data Sets  
(Authors: Shakila Bashir, Bushra Masood and Muhammad Aslam)  
Accepted: 31 July 2024
21. Gumbel Distribution: Comparison of Bayesian Estimators Under Various Loss Functions  
(Authors: P.M. Safwana and C. Chandran)  
Accepted: 10 August 2024
22. Transient State Solution of Retrial Queueing System with Catastrophe  
(Authors: Neelam Singla and Ankita Garg)  
Accepted: 24 August 2024
23. Finite Mixtures of Matrix Variate Log-normal Distributions for Clustering Skewed Three-Way Data  
(Authors: Shiva Kumar Kurva and Kiruthika C.)  
Accepted: 03 September 2024
24. Balanced and Partially Balanced Semi-Latin Rectangles with Block Size Two  
(Authors: Kaushal Kumar Yadav, Sukanta Dash, Rajender Parsad, Baidya Nath Mandal, Anil Kumar and Mukesh Kumar)  
Accepted: 06 September 2024
25. Three and Four Component Uniform Mixture Designs Based on Ellipsoidal Region- A Beginner's Training Manual  
(Authors: Poonam Singh and Himanshu Shukla)  
Accepted: 18 September 2024
26. On Renewal Processes - Some Bounds and Characterisations  
(Authors: S. Ravi and Suman Kalyan Ghosh)  
Accepted: 23 September 2024

27. The Modified Logistic Two-Parameter Estimators  
(Authors: *Thayaparan Kayathiri, Manickavasagar Kayanan, and Pushpakanthie Wijekoon*)  
Accepted: 04 October 2024
28. Wrapped Generalized Lindley Distribution with Applications to Directional Data  
(Authors: *Imliyangba and Bhanita Das*)  
Accepted: 08 October 2024
29. On the Likelihood Ordering and Tail Behavior of Certain Classes of Skew Normal Distributions  
(Authors: *M.R. Anusree and C. Satheesh Kumar*)  
Accepted: 06 November 2024
30. Advancements in Power Inverse Rayleigh Modeling: Exploring Applications in Environmental and Medical Domains  
(Authors: *Aadil Ahmad Mir, S. P. Ahmad and A. A. Bhat*)  
Accepted: 19 November 2024
31. VTPC: A Novel Virtual Tree Approach for Efficient Population Count in Binary Sequences  
(Authors: *Samarth Godara, Prakash Kumar, Deepak Singh and Raju Kumar*)  
Accepted: 06 December 2024

### **Special Invited Papers**

1. Prediction of COVID-19 Disease Progression in India Under the Effect of National Lockdown  
(Authors: *Sourish Das*)  
Accepted: 18 November 2024 (Special Invited Paper)

### **Shorter Communication**

2. Understanding Fellegi Scheme for Sample Size Three  
(Authors: *Yumnam Menon Singh and Opendra Salam*)  
Accepted: 03 October 2024

### **SA22 (03) 2024 December Issue**

#### **Special Issue on**

**“Life and Work of CR Rao (1920-2023): The Revolutionary of Statistical Sciences”**

**In fond memory and honour of Late Prof CR Rao**

**Guest Editors: Bimal Kumar Sinha; Bikas Kumar Sinha; Shyamal Peddada; Thomas Mathew; Tapan Kumar Nayak; Bhramar Mukherjee; Nairnjana Dasgupta; S. Ejaz Ahmed; V.K. Gupta**