



# SSCA

# Statistics and Applications

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

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### Volume 20, Number 2 (December), 2022

1. 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)
2. Symbolic Data Analysis vs Classical Data Analysis: A Comparative Study  
*Dipanka Bora and Hemanta Saikia*  
(Accepted: 09 June 2021)
3. Identifying the Time of a Permanent Shift in the Normal Process Mean with Memory Type Control Chart  
*R. A. Kapase and V. B. Ghute*  
(Accepted: 09 June 2021)
4. A-optimal Designs for Cubic Polynomial Models with Mixture Experiments in Three Components  
*Mahesh Kumar Panda and Rushi Prasad Sahoo*  
(Accepted: 20 July 2021)
5. A Stochastic Modeling of a Monthly Rainfall of Hillsborough County Using Frechet Distribution  
*H. J. Patel and M. N. Patel*  
(Accepted: 08 August 2021)
6. Transmuted Sine - G Family of Distributions: Theory and Applications  
*K.M. Sakthivel and J. Rajkumar*  
(Accepted: 10 August 2021)
7. Constant Block-Sum Designs Through Confounded Factorials  
*Sudhir Gupta*  
(Accepted: 23 August 2021)

8. Use of Change Point Analysis in Seasonal ARIMA Models for Forecasting Tourist Arrivals in Sri Lanka  
*B. R. P. M. Basnayake and N. V. Chandrasekara*  
(Accepted: 21 September 2021)
9. A Survey on Cyclic Solution of Block Designs  
*Shyam Saurabh and Kishore Sinha*  
(Accepted: 21 September 2021)
10. Robustness of Bayes Estimation of Coefficient of Variation for Normal Distribution for a Class of Moderately Non-Gamma Prior Distributions  
*Priyanka Aggarwal and Samridhi Mehta*  
(Accepted: 03 October 2021)
11. Almost Unbiased Dual Exponential Type Estimators of Population Mean Using Auxiliary Information  
*Authors: Sajad Hussain, Manish Sharma, Banti Kumar and Vilayat Ali Bhat*  
(Accepted: 17 October 2021)
12. Theory and Applicability of the Weighted Modified Lindley Distribution  
*Authors: Christophe Chesneau, Lishamol Tomy and Jiju Gillariose*  
(Accepted: 19 October 2021)
13. Bayesian Credible Intervals for Generalized Inverse Weibull Distribution  
*Authors: Kamaljit Kaur, Sangeeta Arora and Kalpana K. Mahajan*  
(Accepted: 24 October 2021)
14. Robust Parameter Design Using 20 Run Plackett-Burman Design  
*Renu Kaul and Sanjoy Roy Chowdhury*  
(Accepted: 07 November 2021)
15. Inference on  $P(X < Y)$  for Morgenstern Type Bivariate Exponential Distribution based on record values.  
*Authors: Manoj Chacko and Shiny Mathew*  
(Accepted: 18 November 2021)
16. Clustering using Skewed Data via Finite Mixtures of Multivariate Lognormal Distributions  
*Authors: Deepana, R. and Kiruthika, C.*  
(Accepted: 26 December 2021)
17. Simultaneous Testing Procedure for the Ordered Pair-Wise Comparisons of Location Parameters of Exponential Populations under Heteroscedasticity  
*Authors: Jatish Kumar, Amar Nath Gill and Anju Goyal*  
(Accepted: 26 December 2021)

18. Some Results of Auto-Relevation Transform in Reliability Analysis  
*Authors: Dileep Kumar M. and P. G. Sankaran*  
(Accepted: 28 December 2021)
19. Modeling and Analysis of Competing Risks Cure Rate Regression Model with Weibull Distribution  
*Authors: P.G. Sankaran and Rejani P.P.*  
(Accepted: 30 December 2021)
20. Improvisation of Dataset Efficiency in Visual Question Answering Domain  
*Authors: Sheerin Sitara Noor Mohamed and Kavitha Srinivasan*  
(Accepted: 02 January 2022)

### **FURTHER FORTHCOMING ACCEPTED PAPERS**

1. Statistical Model for Brand Loyalty and Switching  
*Authors: Kumaraswamy Kandukuri and Bhattacharyulu N.Ch.*  
(Accepted: 06 January 2022)
2. Calibration Estimator in Two Stage Sampling Using Double Sampling Approach when Study Variable is Inversely Related to Auxiliary Variable  
*Ankur Biswas, Kaustav Aditya, U.C. Sud and Pradip Basak*  
(Accepted: 20 January 2022)
3. Regular Group Divisible Designs Using Symmetric Groups  
*Authors: Shyam Saurabh and Kishore Sinha*  
(Accepted: 20 January 2022)
4. New Intervention Based Exponential Model with Real Life Data Applicability  
*Authors: Vilayat Ali Bhat and Sudesh Pundir*  
(Accepted: 13 February 2022)
5. Estimation of AUC of Mixture ROC Curve in the presence of Measurement Errors  
*Authors: G. Siva and R. Vishnu Vardhan*  
(Accepted: 18 March 2022)
6. Evaluating Batsman using Survival Analysis  
*Authors: Parag Shah, R.D. Chaudhari and M.N. Patel*  
(Accepted: 19 March 2022)
7. Discrete Harris Extended Weibull Distribution and Applications  
*Authors: Sophia P. Thomas, Lishamol Tomy and K.K. Jose*  
(Accepted: 19 March 2022)

8. Nonparametric prediction intervals for future order statistics and  $k$ -record values  
*Authors: Laji Muraleedharan and Manoj Chacko*  
(Accepted: 26 May 2022)
9. Empirical Mode Decomposition Based Ensemble Hybrid Machine Learning Models for Agricultural Commodity Price Forecasting  
*Pankaj Das, Girish Kumar Jha and Achal Lama*  
(Accepted: 09 June 2022)
10. Statistical Modeling of Temperature in Krishna District Using Copula Analysis  
*Authors: A. Rajini and C. Jayalakshmi*  
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11. Estimation of Area under the Multi-Class ROC for Non-Normal Data  
*Authors: Arunima S. Kannan and R. Vishnu Vardhan*  
(Accepted: 05 July 2022)
12. Parameter Estimation of Generalized Exponential Distribution using variations in methods of Ranked Set Sampling  
*Authors: Vyomesh Nandurbarkar and Ashok Shanubhogue*  
(Accepted: 10 July 2022)
13. On the Bivariate Generalized Chen Distribution  
*Authors: R. M. Mandouh*  
(Accepted: 07 July 2022)
14. Properties of Partial Product Processes  
*Authors: Babu D., Sutha M., Neelakandan R. and Elumalai P.*  
(Accepted: 08 July 2022)
15. Asymptotic results for generalized runs in higher order Markov Chains  
*Authors: Anuradha*  
(Accepted: 08 July 2022)
16. Randomized Response in Combination with Direct Response for Estimation of Incidence Parameters of Two Sensitive Qualitative Features  
*Authors: Opendra Salam*  
(Accepted: 09 July 2022)
17. Conway-Maxwell Poisson Distribution: Some New Results and Minimum Variance Unbiased Estimation  
*Authors: Jahnvi Merupula and V.S.Vaidyanathan*  
(Accepted: 12 July 2022)

18. The Direct Method for the Optimal Solution of a Transportation Problem  
*Authors: Priyanka Malviya, Sushma Jain and Rina Agrawal*  
(Accepted: 24 July 2022)
  
19. Estimating Finite Population Mean using Multiple Parameters of an Ancillary Variable  
*Authors: Deepak Singh, Rohini Yadav and Rajesh Singh*  
(Accepted: 09 September 2022)