## CONTENTS

Statistics and Applications ISSN 2454-7395 (online) Volume 19, No. 2 (New Series) 2021

1.	On DUS Transformed Weibull Distribution and its	1-12
	Properties	
2	Mixture Designs Generated Using Orthogonal Arrays From	13.26
۷.	Mutually Orthogonal Latin Squares	13-20
	Poonam Singh Vandana Sarin and Neha Midha	
3	Factors Affecting on the Usage Pattern of Cloud Storage in	27_30
5.	Vadodara City of Guiarat	21-37
	Khimva Tinani Rhargay Choithwani Rhagyashree Patil Pathan	
	Faiyazkhan and Tanvi Salat	
4.	Generalized Lindley Shared Frailty Models	41-62
	Arvind Pandey, David D. Hanagal and Shikhar Tyagi	
5.	Combinatorial Patterns of D-Optimal Weighing Designs	63-76
	Using a Spring Balance	
	Monica Pena Pardo and Jyotirmoy Sarkar	
6.	Depicting Bivariate Relationship with a Gaussian Ellipse	77-87
	Jyotirmoy Sarkar and Mamunur Rashid	
7.	Modelling Pepper Export Income in Sri Lanka Using	89-100
	Deterministic Decomposition and Seasonal ARIMA	
	Models	
	W.P.M.C.N. Weerasinghe and D.D.M. Jayasundara	
8.	Forecasting Infant Mortality Rate of India Using ARIMA	101-114
	Model: A Comparison of Bayesian and Classical	
	Approaches	
	Manika Agarwal, Praveen Kumar Tripathi and Sarla Pareek	
9.	On Association in Time of Markov Process With	115-125
	Application to Reliability and Survival Analysis	
	M. Manoharan and V.M. Chacko	
10.	Estimation of Cure Fraction and Misclassification	127-138
	Probabilities for HIV/AIDS Patients Under ART Using	
	Continuous Time Hidden Markov Model	
	Gurprit Grover, Sangeeta Chakravorty, Arpan Kumar Thakur	
11.	Joint Modeling of HIV and Tuberculosis through Copula-	139-146
	based Bivariate Binary Model	
	Atanu Pal and Arabinda Das	

12.	Modeling of Mobile Telephone Subscribers Using Piecewise Nonlinear Growth Models PK Das and Anita Pal	147-159
13.	Estimating Sensitive Population Proportion Permitting Options for Various Respondents' Choices Purnima Shaw and Sanghamitra Pal	161-179
14.	Irrigation Practices and Soft Computing Applications: A Review Pradeep H.K., Jasma Balasangameshwara, M.S. Sheshshayee, K. Rajan and Prabhudev Jagadeesh	181-198
15.	Cause Specific Shared Frailty Proportional Reversed Hazards Models <i>Gleeja V. L. and P.G. Sankaran</i>	199-216
16.	Uniform Spacings — a Bird's-eye View Sthitadhi Das and Saran Ishika Maiti	217-230
17.	Estimating the Area under the ROC Curve in the Framework of Lindley Centered Distributions Balaswamy, S. and Vishnu Vardhan, R	231-240
18.	Measuring Interchangeability in School Lunch Intervention Data Using Concordance Correlation Coefficient <i>Gokul. T., Srinivasan, M.R. and Swaminanthan, V. D.</i>	241-253
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	255-266
20.	Frequentist Predictive Inference For Wind Direction Data Under l-modal Circular Normal Model Through Sufficiency Approach Sahana Bhattacharjee and Kishore Kumar Das	267-279