PG & RESEARCH DEPARTMENT OF MATHEMATICS

2022-2023

S.NO.	Name of the Faculty Member	Research Paper	Date of publication	Name of the Journal (referred)
1.	P. Selvi and W. Ritha	An Integrated Vendor-Buyer Inventory Model with Logistics and Environmental Consideration Based on Strict Carbon Cap Policy	September 2022.	Neuro Quantology, **(Scopus)**
2.	P. Selvi and W. Ritha	Green Inventory Model with the Impact of Investment in Green Technology Based on Cap-and-Trade Policy	September 2022.	Neuro Quantology, **(Scopus)**
3.	P. Selvi and W. Ritha	EOQ and EPQ Inventory Models for Pollution Control with Integration of Environmental Cost	August 2022.	Journal of Algebraic Statistics **(Web Of Science)**

4.	P. Selvi and W. Ritha	Inventory Model for Culture and Creative Product through the Investment in Green Technology	August 2022.	Journal of Algebraic Statistics **(Web Of Science)**
5.	P. Selvi and W. Ritha	Green Inventory Model for Battery Waste Management	June 2022	Journal of Positive school Psychology, **(Scopus).**
6.	P. Selvi and W. Ritha	Optimal Green Inventory Model to Achieve Sustainable Environment	August 2022	Telematique **(Web Of Science)**
7.	P. Selvi and W. Ritha	Green Inventory Model for Recycling Food Waste	August 2022.	Telematique **(Web Of Science)**
8.	N. Rajeswari and W. Ritha	Analyzation of Multiserver Queuing Models with Reverse Balking and Impatient Customers under Imprecise environment	September 2022.	NeuroQuantology. **(Scopus)**

9.	W. Ritha and N. Rajeswari	Exploration of Single Server Fuzzy Queuing Model With Erlang Service	September 2022.	NeuroQuantology, **(Scopus)**
10.	N. Rajeswari and W. Ritha	To examine pentagonal fuzzy numbers in finite source queuing models using the centroid of centroids technique in ambiguous environment	August 2022.	Telematique, **(Web Of Science)**
11.	N. Rajeswari and W. Ritha	An Exact Analysis of the Deterministic Single Server Imprecise Queuing Model Using the Pascal's Triangular Graded Mean Technique under Different Fuzzy Numbers	August 2022.	Telematique, **(Web Of Science)**
12.	N. Rajeswari and W. Ritha	To scrutinizes finite source queuing models with pentagonal fuzzy numbers using centroid of centroids technique under imprecise environment	August 2022.	Journal of Algebraic Statistics, **(Web Of Science)**

13.	N. Rajeswari and W. Ritha	A precise study on Analyzation of FM/FD/1 imprecise queuing model under various fuzzy numbers: Execution Proportions by Pascal's triangular graded mean technique	August 2022.	Journal of Algebraic Statistics **(Web Of Science)**
14.	P. Yasodai and W. Ritha	Analyzation of Extended Tri-cum Biseries Queuing Model in A Fuzzy Environment	January 2023.	Journal of Pharmaceutical Negative Results**,** **(Scopus)**
15.	P. Yasodai and W. Ritha	A Multi Server Fuzzy Feedback Queuing Model With Encouraged Arrivals, Revoked And Retaining Back Out Customers	January 2023.	Journal of Pharmaceutical Negative Results**,** **(Scopus)**
16.	P. Yasodai and W. Ritha	Scrutinizing Disparate Ranking in Fuzzy Tri-cum Biserial Bulk Queuing Model Tethered with a Common Server	August 2022.	Journal of Algebraic Statistics**,** **(Web Of Science)**

17.	P. Yasodai and W. Ritha	An Impact of Reneging, Server Breakdown and Server Vacations of Fuzzy Queuing System Under Trisectional Fuzzification Approach	August 2022.	Journal of Algebraic Statistics, **(Web Of Science)**
18.	R. Saarumathi and W. Ritha	A Sustineri Fabricatio Inventory Exemplar Cum Imperfectus Quality Under Preservation Technology and Investment in Quality Improvement	August 2022.	Journal of Algebraic Statistics, **(Web Of Science)**
19.	R. Saarumathi and W. Ritha	Amending Inventory Stratum for Technophile Endowment Nether Carbon Tax, Cap-and-Trade and Strict Carbon Limit Regulations	August 2022.	Journal of Algebraic Statistics, **(Web Of Science)**
20	M. Mary Mejrullo Merlin, C. Gladia Vincy	A Comparative Analysis Of Food Grain Packaging Based On Consumer Perception By Using Novel, New Novel And Improved Accuracy Functions Under Interval-Valued Intuitionistic Fuzzy Setting	April 2022	Stochastic Modeling & Applications (**UGC Care**)

21	M. Mary Mejrullo Merlin, C. Gladia Vincy	An Integrated approach of multi-criteria decision making method with intuitionistic fuzzy entropy for an exploration of food grain storage structures.	2023	NONLINEAR STUDIES, (**Scopus**)
22	M. Mary Mejrullo Merlin, Arokiamary.S	Construction of fuzzy relational map based on hesitant fuzzy sets with an application to model the causal influence of self-beliefs related to emotional intelligence on leadership	2022	JOURNAL OF ALGEBRAIC STATISTICS (**Web of Science**)
23	M. Mary Mejrullo Merlin, Arokiamary.S	Influence of Epistemological Beliefs on Academic Performance: A Study Using Fuzzy Relational Map Weighted With Triangular and Trapezoidal Fuzzy Numbers	June 2022	Advances and Applications in Mathematical Sciences (**Scopus**)
24.	Dr. J. Merline Vinotha and Ms. A.Saranya	Environmentally conscious multi-objective Pythagorean hesitant fuzzy transportation problem with several items incorporates the selection of mode using multi criteria decision making method,	2022	Telematique, (**Web of Science**)

25.	Dr. J. Merline Vinotha and Ms. A.Saranya	Cost-Time Trade-off of Dual Hesitant Transportation Problem with Multi Choice Parameters	July 2022	Neuro Quantology, (**Scopus**)
26.	V.Vinola Elisabeth and S.Rexlin Jeyakumari	Fuzzy optimal inventory and shipment policy on non-coordinated supply chain under quadratic price dependent demand	Aug 2022	IJRASET, **(UGC Care)**
27.	W.S.Alda and S.Rexlin Jeyakumari	Fuzzy EPQ model for green quality products of three step production processes	Aug 2022	IJRASET **(UGC Care)**
28.	Shiny Bridgette.I and and S.Rexlin Jeyakumari	A fuzzy Inventory model with various source of pollution using Decagonal fuzzy number	June 2022	IJRAR **(UGC Care)**

29.	Dr. I. Antonitte Vinoline, P. Janavarthini	Covid-19 Integrated Inventory Model With Lead Time And Ordering Cost Reduction Using Linear Case Function	June 2022	Journal of Algebraic Statistics. **(Web Of Science)**
30.	Dr. I. Antonitte Vinoline, P. Janavarthini	Sustainable Economic Production Quantity Model For Product Return Policy With Shortage	July 2022	Journal of Algebraic Statistics **(Web Of Science)**
31.	Dr.A.Mary Priya Dharsini, P. Joselin Lavino	Common coupled fixed Point theorem of covarian mappings in bipolar multiplicative metric spaces	Oct 2022	Neuro Quantology （ **Scopus**)
32.	Dr.A.Theresal Jeyaseeli	Solving Fuzzy Transportation Problem using Zero Suffix and Heuristic Method with Two Distinct Fuzzy Numbers	July 2022	Journal of Algebraic Statistics, **(Web Of Science)**

33.	Dr.A.Theresal Jeyaseeli	Optimization of Octagonal Fuzzy Number in Eoq Model Using Lagrangian Method with Beta Distribution ,	July 2022	Journal of Algebraic Statistics. **(Web Of Science)**
34.	Dr.S. Josephine Vinnarasi	Exploration on Bulk arrival Queues with Heptagonal and Decagonal Fuzzy parameters	2022	Journal of Algebraic Statistics **(Web of Science)**
35.	Dr.S. Josephine Vinnarasi	Analysis on Retrial Queues with Hexagonal Fuzzy parameters	2022	Journal of Algebraic Statistics, **(Web of Science)**

36.	Dr.S. Josephine Vinnarasi	Execution of Multi-Server Queues in Hospital Governance	2022	Telematique, **(Web of Science)**
37.	Dr. M. Mary JansiRani & A. Alphonse Anitha	N – Generated Intuitionistic Fuzzy Translation And Fuzzy Multiplication In Z – Algebra	2022	Journal Of Northeastern University (**Scopus**)
38.	Dr. M. Mary Jansi Rani & A. Alphonse Anitha	Bone Cancer Identification Using Intuitionistic Fuzzy Rank Correlation Based Segmentation Method and Deep Neural Network	2022	Indo American Journal of Multidisciplinary Research and Review (IAJMRR **(UGC Care)**
39.	Dr. M. Mary Jansi Rani & A. Alphonse Anitha	Bone Cancer Identification Using Rank Correlation Between Two Interval Valued Intuitionistic Fuzzy Sets	2022	International Journal of Current Research and Modern Education (IJCRME) **(UGC Care)**
40.	Dr. M. Mary JansiRani, A.Alphonse Anitha	Normalization of Fuzzy BV- Ideals in BV- Algebras	2022	TELEMATIQUE **(UGC Care)**

41.	Dr. M. MARY JANSIRANI	Design Of Virtual Practice Teaching Platform for Computer Professional Courses Based on Unity3D	2022	TELEMATIQUE **(UGC Care)**