

HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 2.
SCHOOL OF MATHEMATICAL COMPUTATION SCIENCES
PG AND RESEARCH DEPARTMENT OF MATHEMATICS
RESEARCH PUBLICATIONS
2018 – 2019

S. No	Name of the Faculty Member	Research Paper	Date of publication	Name of the Journal (referred)
1.	Dr. W.Ritha , Dr. Lilly Robert , Dr.I.AntonitteVinoline, Dr.I.FrancinaNishandhi, Ms.J.C.Eveline	A Study on an Integrated Three echelon Inventory model with Quality enhancement along with the Screening Errors and SSMD policy in the Transportation	2018-2019	International Journal of Management, IT & Engineering
2.	Dr.M. Mary Mejrullo Merlin & Ms.L.Arockia Angeline	A Study on Positive and Negative impacts of Wearable Technology using Neutrosophic Cognitive Map Approach.	2018-2019	International Journal of Research,
3.	Dr.M. Mary Mejrullo Merlin , Ms.L.Arockia Angeline & M. Mary Mejrullo Merlin	A study on a combination of fuzzy cognitive map model and conflicting bi fuzzy set theory on the impact of chennai flood	2018-2019	International journal of engineering sciences & research technology,
4.	Dr.M. Mary Mejrullo Merlin & Ms.L.Arockia Angeline	Analysis on Categories of Health Problems Due To Consumption of Junk Foods Using Augmented Fuzzy Cognitive Map	2018-2019	International Journal of Research in Advent Technology,
5.	Dr.J.Merline vinotha and P.Vijayalakshmi	Eco Friendly Fully Fuzzy Multi objective Multi-item Solid Transportation problem	2018-2019	International Journal of Management, IT & Engineering,
6.	Dr.S.RexlinJeyakumari, S.Merline Laura & J.Arockia Theo	Fuzzy EOQ Model with Penalty cost using Hexagonal Fuzzy Numbers	2018-2019	International Journal of Engineering Sciences & Research Technology(IJESRT)
7.	Dr.I.Antonitte Vinoline	An Inventory Model for Perishable Products with Price Dependent Demand	2018-2019	American International Journal of Research in Science, Technology, engineering and Mathematics,

8.	J.Beny, J. Maria Joseph & M. Marudai	Best Proximity Point Theorems in b- Metric Spaces	2018-2019	The Journal of Analysis(Springer),
9.	J.Beny,& J. Maria Joseph	Best Proximity Point Theorems for Generalized k-Rational Proximal Contraction Mappings in b- Metric Spaces.	2018-2019	International Journal for Research in Engineering Applications and Management (IJREAM)
10.	J.Beny, & J. Maria Joseph	Best Proximity Point Theorems in Metric Spaces	2018-2019	Journal of Computer and Mathematical Sciences (An international Research Journal)
11.	A.Theresal Jeyaseeli & Dr. W.Ritha	Fuzzy Inventory Model Without Shortage Using Octagonal Fuzzy Numbers	2018-2019	International Journal of Management .IT & Engineering.
12.	Dr. W. Ritha and Eveline. J. C	The lost sales and full backordering sustainable economic production quantity models under cap and trade policy	2018-2019	International journal of Management, IT & Engineering
13.	Dr. W. Ritha and Eveline. J. C	Environmentally Sustainable Supply Chain Inventory Model with Imperfect Quality Items under Trade Credit Financing	2018-2019	International Journal of Research in Advent Technology (IJRAT)
14.	Dr.M. Mary Mejrullo Merlin	A Comparative Study On The Challenges Faced By Children With Single Parent In Education Using Combined Fcm And Modified Combined Fcmv	2018-2019	International Journal of Research and Analytical Reviews (IJRAR)
15.	Dr. W. Ritha and Eveline. J. C	An Integrated Inventory Model for Imperfect Production Process with Backorder Price Discount under Strict Carbon Cap Policy	2018-2019	International Journal of Research in Advent Technology.

16.	A.Jennie sebasthy Pritha and Dr.U.Karuppiyah	Best Proximity Point Theorems for Cyclic generalized JSC-proximal contractions.	2018-2019	Far East Journal of Mathematical Sciences, Vol.112, Number 2,2019,
17.	Leema Maria Prakasam A and Karuppiyah U	Common Fixed Point Theorems Of Generalized Contractions On Partial Spaces	2018-2019	International Journal of Pure and Engineering Mathematics, (IJPEM), 2(III), December, 2014, , GIF:0.5333
18.	Dr. W. Ritha and Eveline. J. C	Economic order quantity inventory model for poultry farming with shortages, screening, and affiliated costs considerations	2018-2019	International Journal of Research in Humanities, Arts and Literature (IMPACT: IJRHAL)
19.	Dr.W. Ritha and S.Haripriya	Thermal Economic Production Quantity Model for Three Types of Imperfect Items with Entropy Cost	2018-2019	International Journal of Research in Engineering, IT and Social Sciences,
20.	Dr.W. Ritha and S.Haripriya	A Study on Ergo-Oriented Inventory Model With Bi-Objective Optimization.	2018-2019	International Journal of Research in Social Sciences
21.	Ritha, W., and Jeyanthi. K	Determination of fuzzy total profit of the enterprise which channelizes the overage to customer acquisition	2018-2019	International journal of research in advent technology (IJRAT)
22.	Ritha, W., and Jeyanthi. K	Fuzzy inventory model for small scale retailers with local advertisements	2018-2019	International journal of research in advent technology (IJRAT)

23.	P. Arokia Saibe	Variance of Time to Recruitment with A Record of N Decision	2018-2019	International Journal of Scientific Research and Reviews
24.	Dr.I.Francina Nishandhi	A Study on JELS Inventory Model of Delay in Payments Along with different mode of Road transportation under the carbon emission reduction	2018-2019	Journal of Physical Sciences
25.	Dr.I.Francina Nishandhi	A Study on an Integrated Inventory Model with Transportation cost along with the comparison of carbon regulations parameters such as carbon tax and cap and trade	2018-2019	International Journal of Research in Advent Technology
26.	Ms. S. Josphine Vinnarasi & Dr. W. Ritha	Fuzzy Erlang Oueuing model with distinct measures of Ranking	2018-2019	American International Journal of Research in Science, Technology, engineering and Mathematics,
27.	A.Jennie Sebasty Pritha	Best proximity points theorem for generalized JSC-Proximal contraction	2018-2019	International journal of Mathematics Trends and Technology
28.	Dr.J.Merline Vinotha and Ms.A.Saranya	Multi Objective Quadratic Fuzzy Transportation Problem with Environmental costs	2018-2019	American international journal of Research and science, Technology, engineering and mathematics,
29.	Merline Vinotha, J., R. Aishwarya	Multi Objective Multi item Fuzzy Transportation Problem with Congestion charge.	2018-2019	Journal of Physical Sciences
30.	A.Jennie Sebasty Pritha	Fixed point theorems for generalized cyclic CWs Contraction in partial b-metric spaces	2018-2019	American International Journal of Research in Science, Technology, engineering and Mathematics

31.	J. Mariya Joseph and J. Beny	Best Proximity Point Theorems for m- Rational Proximal Contraction Mappings in Metric Spaces.	2018-2019	RESEARCH REVIEW International Journal of Multidisciplinary:
32.	Dr.S.Rexline Jeyakumari, I.Shiny Bridgett & A. Alphonse Anitha	Optimization of Fuzzy Supply Chain Coordination Model	2018-2019	IJRAR –International Journal of Research and Analytical Reviews (IJRAR)
33.	Dr.S.Rexline Jeyakumari	On Optimal Total Cost And Optimal Order Quantity Using Trapezoidal Fuzzy Numbers	2018-2019	International Journal of Research and analytical Reviews (IJRAR)
34.	Dr.S.Rexline Jeyakumari	Optimization of Deterministic Inventory model With Allowable Shortages Under Uncertainty	2018-2019	International Journal of Research and analytical Reviews (IJRAR)
35.	Dr.S.Rexline Jeyakumari	Fuzzy Optimization Inventory Model with Allowable Shortage using Hexagonal Fuzzy Numbers	2018-2019	International Journal of Advanced and Innovative Research