

Name	Dr. S. Jerline Zita			
Contact (office)	Assistant Professor in Mathematics Department of Science and Humanities M.I.E.T. Engineering College Trichy.			
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Educational Qualifications	DEGREE	EDUCATIONAL INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
	Ph.D., (Mathematics)	Holy cross College, Trichy	Bharathidasan University	2022
	M.Sc., (Mathematics)	St, Joseph's College, Trichy	Bharathidasan University	2015
	B.Sc., (Mathematics)	St, Joseph's College, Trichy	Bharathidasan University	2012
Professional Career Profile	Organization	Designation	Date of Joining	Duration of work
	M.I.E.T. Engineering College	Assistant Professor	04.07.2022	Till Now
Academic Area of Interest	Real Analysis, Fuzzy Inventory, Graph Theory.			
Awards & Recognitions	Received award for poster presentation in International conference.			

LIST OF PUBLICATIONS

1. **Jerline Zita S.**, Fuzzy Inventory Model with Allowable Shortages and Backorder.
2. **Jerline Zita S.**, Arockia Theo J., Merline Laura S. & Rexlin Jeyakumari S. *A Fuzzy Inventory Model with Permissible Delay in Payments*. AMSJ – Advances in Mathematics: Scientific Journal (AMSJ), P-ISSN 1857-8365, E- ISSN 1857-8438, Volume 9, No 4, P 2065-2073, 2020. **(UGC Approved Scopus Journal – Source Id: 21100913565)**

3. Merline Laura S., **Jerline Zita S.**, Arockia Theo J. & RexlinJeyakumari S. A Fuzzy Inventory Model with Environmentally Responsible Waste Disposal. AMSJ – Advances in Mathematics: Scientific Journal (AMSJ), P-ISSN 1857-8365, E- ISSN 1857-8438, Volume 9, No 4, P 2055-2064, 2020. **(UGC Approved Scopus Journal – Source Id: 21100913565)**
4. Arockia Theo J., Merline Laura S., **Jerline Zita S.**, & RexlinJeyakumari S. Analyzation on Fuzzy Inventory Model with Shortages utilizing Kuhn-Tucker Technique. AMSJ – Advances in Mathematics: Scientific Journal (AMSJ), P-ISSN 1857-8365, E- ISSN 1857-8438, Volume 9, No 4, P 2099-2105, 2020. **(UGC Approved Scopus Journal – Source Id: 21100913565)**
5. RexlinJeyakumari S., Merline Laura S., & **Jerline Zita S.**, Optimization of Deterministic Inventory Model with Allowable Shortages under Uncertainty. IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume 6, Issue 1, P 641-646, March - 2019.
6. RexlinJeyakumari S., **Jerline Zita S.**, & Merline Laura S., On Optimal Total Cost and Optima Order Quantity for Fuzzy Inventory Model without Shortage. IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume 6, Issue 1, P 41-48, February - 2019.
7. RexlinJeyakumari S., Jerline Zita S. & Arockia Theo J. *Optimization of Fuzzy Inventory Model with Minimum Transportation to Reduce Carbon Emissions.* IJRAT - International Journal of Research in Advent Technology (IJRAT), E-ISSN 2321-9637, Volume 6, No 12, P 3537-3540, December - 2018.
8. RexlinJeyakumari S., Jerline Zita S., & Merline Laura S., Fuzzy Optimization Inventory Model using Kuhn - Tucker Technique. IJESRT - International Journal of Engineering Sciences & Research Technology (IJESRT), ISSN 2277-9655, Volume 7, Issue 2, P 546-552, February - 2018.

Conferences Participated:

1. Webinar Series on "Capacity Building of Young Talent in Transdisciplinary Research for a sustainable Development of Society" organized by Holy Cross College (Autonomous), Trichy.
2. International Conference on "Mathematical Methods and Computation" in Jamal Mohamed College (Autonomous), Trichy.
3. International Conference on "Networking Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels" in Holy Cross College (Autonomous), Trichy.
4. International Conference on "Computing Sciences" in Loyola College, Chennai.
5. National Conference on "Emerging Trends in Mathematical Sciences" in S. A. Engineering College, Chennai.
6. International Conference on "Applicable Mathematics" in Stella Maris College (Autonomous), Chennai.

Research Papers Presented:

1. Optimization of Fuzzy Production Inventory Model with Repairable Defective Products using Hexagonal Fuzzy Numbers in Loyola College, Chennai.
2. Optimization of Fuzzy Inventory Model for Degenerating Items with Allowed Shortage using Hexagonal Fuzzy Numbers in Loyola College, Chennai.
3. Optimization of fuzzy Inventory Model with Minimum Transportation to Reduce Carbon Emissions in Holy Cross College (Autonomous), Trichy - 2.
4. Fuzzy Optimization Inventory Model using Kuhn Tucker Technique in S. A. Engineering College, Chennai.
5. Optimization of Fuzzy Inventory Model using Hexagonal Fuzzy Numbers in Stella Maris College, Chennai.