

1. Mrs. M. Sabina Begum

Name : Mrs. M. Sabina Begum

Designation : Guest Lecturer

Qualification : M.Sc., M.Phil.,

Department : PG and Research Department of Mathematics

D.O.B : 29.05.1985

Permanent Address : PLOT NO 198, 6 TH CROSS STREET, K.R.NAGAR,DINDIGUL

Mail : sabinasharifmsc@gmail.com

Cell : 9962284696

Specialization : Fuzzy Inventory Models

Area of Interest : ALGEBRA, REAL ANALYSIS,OPTIMIZATION TECHNIQUES

Educational Qualification

Degree	Subject	Institution / University	Year	Class
B.Sc	Mathematics	M.V.M Government Arts College for Women, Dindigul.	2005	I
M.Sc	Mathematics	Sri Meenakshi Government College for Women, Madurai	2007	I
M.Phil	Mathematics	Seethalakshmi Ramaswamy College, Trichy	2008	I
Ph.D.	Mathematics	Bharathidasan University	Submitted	-

Working Experience

S.No.	College	Designation	Period
1	M.V.Muthiah Government Arts College For Women, Dindigul.	Guest Lecturer	Sep 2009 Onwards

Research Guidance

Degree	Total No. of Students	Degree Awarded	Viva to be Conducted	Submitted / Awaiting Result
M.Sc., Project	11	11	-	-
B.Sc, Project	6	6	-	-

M.Sc PROJECT

S.No	REG.NO	NAME	PROJECT TITLE
1	184321ER017	G. SHOBANA	DIRECT PRODUCT OF INTUTIONSTIC FUZZY H – IDEALS OF INK - ALGEBRAS
2	194321ER006	T. KARTHIKA	SOLVING A FUZZY TRANSPORTATION PROBLEM USING DIFFERENT DEFUZZIFICATION METHODS.
3	204321ER022	G.SONA	BIPOLAR FUZZY IMPLICATIVE IDEALS OF BCK-ALGEBRA
4	214321ER014	RAJALAKSHMI. G	INTUITIONISTIC FUZZY BCI-ALGEBRAS UNDER NORMS
5	214321ER023	VASUKI A	FUZZY HYPER PSEUDO BCK-IDEALS OF HYPER PSEUDO BCK-ALGEBRAS
6	224321ER010	A. KOKILADEVI	SOLVING AN INTERVAL VALUED INTUITIONISTIC FUZZY TRANSPORTATION PROBLEM
7	224321ER021	R. SOWNDHARYA	A STUDY ON INTERVAL - VALUED NEUTROSOPHIC OF HILBERT ALGEBRAS
8	234321ER001	DIVYA.P	A PENALTY FUNCTION METHID FOR SOLVING FUZZY NON-LINEAR PROGRAMMING PROBLEM
9	234321ER015	SHANMUGA PRIYA.T	A STUDY ON COMPLEX FUZZY BCK & INK ALGEBRAS
10	244321ER005	K. DHURGA DEVI	ON HESITANT AND INTUITIONISTIC HESITANT FUZZY IDEALS OF HILBERT ALGEBRAS
11	244321ER016	R. PRIYANGA	A STUDY ON INDEPENDENT UP-ALGEBRAS WITH FUZZY AND PYTHAGOREAN FUZZY STRUCTURES

B.Sc Project

S.NO	REG.NO	STUDENT NAME	PROJECT TITLE
1	23321ER029	G. ANANTHI	A STUDY ON GEOMETRIC AND SIGNOMIAL PROGRAMMING
2	23321ER030	S. ANNALAKSHMI	A STUDY ON GEOMETRIC AND SIGNOMIAL PROGRAMMING
3	23321ER031	N. BHUVANA	A STUDY ON DIVISOR CORDIAL GRAPHS
4	23321ER032	M. CHARUBALA	A STUDY ON DIVISOR CORDIAL GRAPHS
5	23321ER048	M. SANTHOSHINI	A STUDY ON SOLVING TRANSPORTATIONAL PROBLEM UNDER FUZZY ENVIRONMENT
6	23321ER050	K. SONIYA	A STUDY ON SOLVING TRANSPORTATIONAL PROBLEM UNDER FUZZY ENVIRONMENT

Research Papers Published in International / National Journals (Total: 8)

S. No.	Title of the Paper	Name of the Journal	Vol./No./Year/Page No.
1	Optimization of Fuzzy Inventory model without shortage using Pentagonal Fuzzy Numbers	International Journal of Mechanical Engineering and Technology.	Vol.9, Issue 11, 2018
2	Optimization of fuzzy economic production quantity inventory model	Advanced Research in Dynamical & Control systems.	Vol.11, Special Issue 10, 2019
3	Optimization Of Multi-Item (Eoq) Model For A Single-Buyer Using Fuzzy Geometric Programming	Journal of Critical Reviews	Vol 7(11), 863-881 (2020)
4	Multi-Item Fuzzy Inventory Model By Kuhn-Tucker Method	Malaya Journal of Matematik	Vol 1, 474-478 (2020)
5	Optimization Of Fuzzy Inventory Model With Deterioration Using Non Linear Programming Methods	Annals of the Romanian Society for Cell Biology	Vol 25(1), 444-454 (2021)
6	A Production-Fuzzy Inventory Model With Deterioration	Mvm Journals Of Research	Vol.5, 2021
7	Optimization of Fuzzy Integrated Vendor–Buyer Inventory Model in Price-Dependent Demand	Indian Journal of Natural Sciences,	15,88,90431-90449,2025
8	Optimizing a Fuzzy Integrated Vendor–Buyer Inventory Model with Stochastic Demand Using Nonlinear Programming Techniques	Indian Journal of Natural Sciences,	16,93,106295-106310,2025

Papers Presented in Conferences

S.No.	Title of the Paper	Title of the Seminar	Date and Venue
1	Optimization Of Fuzzy Inventory Model With Deterioration Using Non Linear Programming Methods	International Conference on Recent Trends and Technology of Mathematics and Science-2020	Queens College Of Arts And Science For Women (Affiliated to Bharathidasan University, Tiruchirappalli), Punnalkulam, Near Thanjavur, Pudukkottai-613303, Tamilnadu.
2	Optimization Of Multi-Item (Eoq) Model For A Single Buyer Using Fuzzy Geometric Programming	International seminar on Present Trends in Applications of Mathematics-2020	PG and Research Department of Mathematics, Holy Cross College (Autonomous), Tiruchirappalli-2,

S.No.	Title of the Paper	Title of the Seminar	Date and Venue
			Tamil Nadu, India. 16th-17th November 2020.
3	Multi-item Fuzzy Inventory Model by Kuhn-Tucker Method	National Conference on “Recent Frontiers in Fractional Calculus Theory and Its Applications (NCFCTA 2021)”	Department of Mathematics, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, Tamilnadu. 07th-08th March 2021.
4	A Production Fuzzy Inventory Model with Probabilistic Deterioration in Supply Chain Management	International Conference on New Ideas in Technology and Innovation, jointly organized by Institution’s Innovation Council and CSIR-IMMT	Cauvery College for Women (Affiliated to Bharathidasan University, Tiruchirappalli), 24th – 25th February 2022
5	Optimization of Fuzzy integrated Inventory model with green technology using Kuhn-Tucker approach	International Conference on Innovations in Science and Humanities (ICISH - 2023)	Department of Mathematics, Saveetha Engineering College, 19 & 20 April 2023.
6	Optimization of Fuzzy Inventory Model Using Fuzzy Geometric Programming,	International Conference on New Ideas in Technology and Innovations, jointly organized by Institution’s Innovation Council,	Cauvery College for Women (Affiliated to Bharathidasan University, Tiruchirappalli), 30th – 31st January 2023.

Computer Skills

- Operating Systems - Windows XP\10\11, MAC OS, MS-DOS,
- Programming Languages - C, C++, Python
- Academic Software - SAGEMATH, LINGO & LINDO

Subjects Taught

UG:

- Differential Equations
- Analytical Geometry 3D
- Mathematical Statistics
- Sequence and series
- Vector Calculus
- Numerical Methods
- Graph Theory
- Algebra
- Linear Algebra
- Real Analysis
- Fuzzy Sets and Fuzzy Numbers
- Mathematical Cryptography
- Programming in C
- Programming in C++
- Machine Learning

PG:

- Probability and Statistics
- Number Theory
- Real Analysis
- Partial Differential Equations