



IDHAYA COLLEGE FOR WOMEN (AUTONOMOUS) KUMBAKONAM

Accredited with A+ Grade by NAAC 1st Cycle

DEPARTMENT OF MATHEMATICS

STAFF PUBLICATION PARTICULARS

S.N O.	NAME OF THE AUTHOR (S)	TITLE OF THE PAPER	JOURNAL NAME	ISSN / ISBN	YEAR	PUBLISHED IN	JOURNAL LINK
ACADEMIC YEAR (2025 – 2026)							
1	Dr. V. Jayapriya	An Analysis of Quality of Milk using Fuzzy CETD Matrix	International conference on Recent Trends in Mathematics & Computations	-	2025	AIP Conference Proceedings	-
2	Dr. S. Vembu	Indian Journal of Natural Science	Result in Soft Minimal Space	0976-0997	2025	UGC Care list	www.tnsroindia.org.in
ACADEMIC YEAR (2024 – 2025)							
1	Mrs. S. Rubeela Mary	An Efficient Framework for a Multi Criteria Decision Making Method Based on Kharif Crop selection	Indian Journal of Natural Sciences	0976-0997/15/85	2024	Web of Science	-
2	Mrs. S. Rubeela Mary	The Application of Integrated Neutrosophic CRITIC and PSI methods for Multi Criteria Decision Making over the implementation of An	Advances in Nonlinear Variational Inequalities	1092-910X/27/2	2024	Scopus	https://internationalpubls.com/index.php/anvi/issue/view/54

		Integrated Fish Farming System					
3	Dr. V. Jayapriya	Effective Completion of TNPSC Examination using Fuzzy Matrix	Indian Journal of Natural Sciences	0976-0997/15/87	2024	Web of Science	-
4	Mrs. N. Sudha	On Solving Neutrosophic Linear and Non-Linear as a Neutrosophic Fuzzy Linear Complimentarity Problem	Indian Journal of Natural Sciences	0976-0997/15/87	2024	Web of Science	-
5	Mrs. D. Leonita	A Methodology to Propose Neutrosophic Basic Probability Assignment in Neutrosophic Evidence Set	Indian Journal of Natural Sciences	0976-0997/15/87	2024	Web of Science	-
ACADEMIC YEAR (2023 – 2024)							
1	Dr. V. Jayapriya	An Analysis of Quality of Milk Using Fuzzy CETD Matrix	Proceedings of the 2 nd International Conference on Recent Trends in Mathematics ICRTM- 2024	978-81-967998-1-6	2024	Trans stellar Journal Publications & Research Consultancy(P) Ltd.,	-
2	Mrs. M. Sujitha	A study on Three Connected Graph Using Domination Number of Graph					
3	Mrs. S. Rubeela Mary	A study on analysis of the maximum age group of the agricultural Laborers having Cardio Vascular problem using Fuzzy Matrix					
4	Mrs. N. Sudha	On Solving Neutrosophic Multi objective Linear Programming Problem as a Linear Complementarity Problem					

5	Mrs. D. Leonita	An Evidential Model for Environmental Risk Assessment in Banana Production using Dempster Shafer Theory of Evidence	Proceeding of the 2 nd international conference on recent trends in mathematics ICRTM-2024	978-81-967998-1-6	2024	Trans stellar Journal Publications & Research Consultancy(P) Ltd.,	
6	Mrs. S. Abirami	Fuzzy Transportation Problem Of Symmetric Trapezoidal By Using Ranking Technique					
7	Dr. S. Vembu	A Study on Properties of Soft Minimal Spaces					
8	Mrs. R. Indradevi	The Theory of Matrices and its Applications					
9	Mrs. D. Leonita	Neutrosophic Set in Decision Making Based on Grey Relational Analysis and DS-Theory					
ACADEMIC YEAR (2022 – 2023)							
1	Mrs. D. Leonita	A method to Evaluate the Evidence Dependability on the Stimulus of Neutrosophic Set	Communications in Mathematics and Applications	0975-8607/13/4	2022	UGC-CARE Group T	https://www.rgnpublications.com/journals/index.php/cma/article/view/2170/1485
ACADEMIC YEAR (2021 – 2022)							
1	Mrs. N. Sudha	Fuzzy Neutrosophic Quadratic Programming Problem as a Linear Complementarity Problem	International Journal of Aquatic Science	2008-8019/12/2	2021	Web of Science	http://www.journal.aquaticscience.com/article_131791.html
2		Neutrosophic Fuzzy Quadratic Programming	Advances and Applications in	0974-		UGC Care and	http://www.mililink.com/issue Conte

	Mrs. N. Sudha	Problem as a Linear Complementarity Problem using Taylor Series approach	Mathematical Sciences	6803/2 1/4	2022	Web of Science	nt.php?id=59&ild=395&vol=21&is=4&mon=February&year=2022
3	Mrs. S. Rubeela Mary	A Frame work of Agriculture Decision Support System Using Integrated Neutrosophic Ahp-Promethee Environment	Stochastic Modeling & Applications	0972-3641/2 6/3	2022	UGC Care	https://www.mukpublications.com/si-2022.php
4	Mrs. D. Leonita	Application of Neutrosophic Basic Probability Assignment In Water Analysis Process	Advances and Applications in Mathematical Sciences	0974-6803/2 1/4	2022	UGC Care and Web of Science	https://www.mililink.com/upload/article/451228457aams_vol_214_february_2022_a22_p18611868_r.irene_hepzibah_and_d.leonita.pdf

ACADEMIC YEAR (2020 – 2021)

1	Mrs. V. Jayapriya	Pythagorean Fuzzy Multi Set and its Applications in Fish Feed for Indian Major Carp	Advanced in Mathematics: Scientific Journal IICRTAMS-2020	1857-8438	2020	UGC CARE Group 'II'	https://doi.org/10.37418/amsj.9.1.1.90
2		Combination of probability Estimation and Pythagorean Fuzzy Theory	Wesleyar Journal of Research	0975-1386	2021	UGC CARE Group 'I'	-

3	Mrs. V. Jayapriya	Pythagorean Fuzzification and Defuzzification Functions	Malaya Journal of Matematik ICARMS – 2021	2321-5666	2021	UGC CARE Group 'II'	http://malayajournal.org/selected_article.php?id=2459
4	Mrs. N. Sudha	On Solving Neutrosophic Linear Complementarily Problem without Introducing Artificial Variables					https://www.malayajournal.org/article.php?iPageNum=7&volume_id=3&issue_id=44
5	Mrs. D. Leonita	A Framework of Neutrosophic Evidence Theory Based on Probability Estimation					https://www.malayajournal.org/article.php?iPageNum=3&volume_id=3&issue_id=44
ACADEMIC YEAR (2019 – 2020)							
1	Mrs. V. Jayapriya	Determinant of a Fuzzy Neutrosophic Matrix	International Journal of Scientific Engineering and Research	2347-3878	2019	UGC CARE List Group 'II'	https://www.ijser.in/archives/v7i5/IJSER18806.pdf
2		On Studying Certain Fuzzy Neutrosophic Matrices and Operators	Journal of Physical Science	2350-0352	2019	UGC CARE List Group 'II'	http://fs.unm.edu/neut/OnStudyingCertainFuzzyNeutrosophic.pdf
3		Pythagorean Fuzzy Soft Set and its Applications in Decision Making	International Journal of Analytical and Experimental Modal Analysis	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
4	Mrs. M. Sujitha	Average Number of Fuzzy Edge Graceful Labeling on Wheel Graph and Fan Graph	Journal of Emerging Technologies and Innovative Research	2349-5162	2019	UGC CARE List Group 'II'	http://www.jetir.org/papers/JETIR1906T23.pdf
5	Mrs. N. Sudha	On Solving Neutrosophic Linear Complementarity Problem	Bulletin of Pure & Applied Sciences	2320-3226	2019	UGC CARE List Group 'II'	http://fs.unm.edu/neut/OnSolvingNeutrosophicLinear.pdf
		On Solving Single Valued	International Journal				http://www.ijaema.com/VOLUME-12-ISSUE-1-

		Triangular Neutrosophic Linear Complementarity Problem	of Analytical and Experimental Modal Analysis	0886-9367	2020	UGC CARE List Group 'II'	JANUARY-2020-SP
6	Mrs. S. Rubeela Mary	On Optimal Solution of a Transportation Problems using Min-Max Average Method	International Journal of Research in Engineering Application & Management	2454-9150	2019	UGC CARE List Group 'II'	http://ijream.org/papers/IJREAMV05I0452006.pdf
7		Multi-Criteria Decision-Making Methods Using Neutrosophic Sets to Produce the Selection of Best House	International Journal of Research in Engineering Application & Management	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
8	Dr. C. Kayalvizhi	On Fuzzy Total Chromatic Number of a Totally Regular Fuzzy Graph	Journal of Emerging Technologies and Innovative Research	2349-5162	2019	UGC CARE List Group 'II'	http://www.jetir.org/papers/JETIR1906E37.pdf
9		On Optimal Solution of a Transportation Problems using Min-Max Average Method	International Journal of Research in Engineering Application & Management	2454-9150	2019	UGC CARE List Group 'II'	http://ijream.org/papers/IJREAMV05I0452006.pdf
10	Dr. C. Kayalvizhi	Multi-Objective Transportation Problem with Interval Co-efficient	International Journal of Analytical and Experimental Modal Analysis	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
11	Mrs. D. Leonita	A Methodology to Combine Interval Neutrosophic Focal Elements and Their Basic Probability Assignment in Evidence Theory	Journal of Physical Science	2350-0352	2019	UGC CARE List Group 'II'	http://inet.vidyasagar.ac.in:8080/jspui/handle/123456789/4650

12		Mathematical modeling for the evaluation of various parameters of 5- methyl salicylaldehyde aniline nano composite using Neutrosophic	International Journal of Analytical and Experimental Modal Analysis	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
13	Mrs. S. Abirami	Some Fixed-Point Theorems in 2-Banach Space	International Journal of Analytical and Experimental Modal Analysis	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
14	Dr. T. Rajeswari	Alpha Level Sub groups of Alpha-Fuzzy Subgroup	International Journal of Mathematics Trends and Technology	2231-5373	2019	UGC CARE List Group 'II'	https://www.ijmttjournal.org/Volume-65/Issue-6/IJMTT-V65I6P522.pdf
15		Smarandache-Alpha Fuzzy Normal Sub semi groups in Smarandache- Alpha Fuzzy Semigroups	Proc Natl. Acad. Sci., India, Sect. A Phys. Sci	0369-8203	2019	UGC CARE List Group 'II'	https://doi.org/10.1007/s40010-019-00621-8

16	Dr. T. Rajeswari	On Alpha Fuzzy Quotient Subgroups	IJAEMA	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
17	Ms. R. Poonkodi	Some Special Bounds on Subspace Codes	IJAEMA	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
18	Dr. P. Padma	On $s * g$ - closed set in topological spaces	IJAEMA	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
19	Mrs. R. Indradevi	Commutativity of Near rings using Cancellative Laws	IJAEMA	0886-9367	2020	UGC CARE List Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP

ACADEMIC YEAR (2018 – 2019)

1	Mrs. K. Priya	Split Domination in Fuzzy Planar Graph	International Journal of Engineering Science and Mathematics	2320-0294	2018	UGC CARE List Group 'II'	https://www.ijesm.co.in/uploads/68/5847_pdf.pdf
2	Mrs. K. Priya	Solving Assignment Problem by using Trapezoidal Neutrosophic Number	American International Journal of Research in Science Technology, Engineering & Mathematics	2328-3491	2019	UGC CARE List Group 'II'	http://iasir.net/AIJRSTEMpapers/ICOMAC%E2%80%93932019.pdf

ACADEMIC YEAR (2017 – 2018)

1	Mrs. N. Sudha	Robust Ranking Method of Multi objective Fuzzy Linear Programming problems with Octagonal Fuzzy Numbers	Mathematical Sciences International Research Journal	2278-8697	2018	UGC CARE List Group 'II'	https://www.imrfjournal.com/msirj7s6
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ACADEMIC YEAR (2016 – 2017)

1	Mrs. V. Jayapriya	Two New Operators Defined on Non-Negative Triangular Fuzzy Number Matrices	International Journal of Pure and Applied Mathematics	1314-3395	2017	UGC CARE List Group 'II'	https://acadpubl.eu/iji/2017-114-5/articles/17.pdf
2		Orthogonal Triangular Fuzzy Matrix	Global Journal of Pure and Applied Mathematics	0973-1768	2017	UGC CARE List Group 'II'	https://www.ripublication.com/gjampspl2015/gjampv13n2spl_102.pdf User Name

							:GJPAMSPL Password: GJPAMSPL*185#RIP
3	Mrs. N. Sudha	Multi Objective Fuzzy Linear Programming Problems with Trapezoidal Numbers	Global Journal of Pure and Applied Mathematics	0973- 1768	2017	UGC CARE List Group 'II'	https://www.ripublication.com/gjpamspl2015/gjpamv13n2spl113.pdf User Name :GJPAMSPL Password: GJPAMSPL*185#RIP

FACULTY & STUDENT PUBLICATIONS

S.N O.	NAME OF THE AUTHOR (S)	TITLE OF THE PAPER	JOURNAL NAME	ISSN / ISBN	YEAR	PUBLISHED IN	JOURNAL LINK
ACADEMIC YEAR (2025 – 2026)							
1	Dr. V. Jayapriya Archana. K (II M.Sc Maths)	Application of Fuzzy Matrix in Fish Disease Diagnosis	Next – Gen Science: Interdisciplinary Perspectives in Maths, Physics & Technological Applications – NGSMPA -2K25	978-93-95659-21-5	December, 2025	Beyond Line Publisher Bangalore	-
2	Mrs. M. Sujitha Arulbala. R (II M.Sc Maths)	A Study on Neutrosophic Graphs					
3	Mrs. S.Rubeela Mary Subhashini. S (II M.Sc Maths)	A Revised MEREC Approach Utilizing Neutrosophic Sets and their Applications in MCDM Problems					
4	Mrs. N. Sudha Keerthika. R (II M.Sc Maths)	A New Approach for Solving Fuzzy Bottleneck Transportation Problems using Triangular Fuzzy Numbers					
5	Mrs. D. Leonita Kavipriya. J. K. (II M.Sc Maths)	A Matlab Implementation of Fuzzy Logic for Car Selection Decision-Making					
6	Dr. S. Vembu Jayapriya. J.K (II M.Sc Maths)	Soft Weakly Generalized Closed Sets in Soft Minimal Spaces					
7	Dr. G. Jasmine Divyadharshini. R (II M.Sc Maths)	An Efficient Iterative Algorithm for Solving Fractional Differential Models					

ACADEMIC YEAR (2024 – 2025)

1.	Dr. V. Jayapriya Ms. K. Keerthana	Medical Diagnosis via Distance Measure on picture Fuzzy sets	Proceedings of the Two Days National Conference On Actuarial Mathematics NCAM- 2025	978-81-985018-0-6	2025	Department of Mathematics, Sengamala Thayaar Educational Trust Women's College (Autonomous), Sundarakkotta, Mannargudi.	-
2	Dr. V. Jayapriya Ms. A. Deepika	A study on intuitionistic fuzzy distance measure and its applications					-
3	Dr. V. Jayapriya Ms. G. Sivasakthi	A Study on Fuzzy Sequencing Problem Using Graphical Method					-
4	Mrs. M. Sujitha Ms. R. Nathiya	Applications of Graphs to Fuzzy Models					-
5	Mrs. M. Sujitha Ms. A. Regi Narmadha	A study on Fuzzy Soft Matrix Theory and its Real Life Application in Decision Making					-
6	Mrs. S.Rubeela Mary Ms. G.Bhuvaneshwari	Multi Criteria Decision Making Methods Using Neutrosophic Sets to Selection of Best Building Construction Company.					-
7	Mrs. S. Rubeela Mary Ms. R. Rojasri	Neutrosophic Multi-Criteria Decision Making Problem In Edas Method					-
8	Mrs. N. Sudha Ms. G. Kaviyarasi	A Study on Eigen value interlacing properties of z- matrix					-
9	Mrs. N. Sudha Ms. S. Srilakshmi	On Solving the Fuzzy Linear Fractional Programming Problem with Fuzzy numbers					-
10	Mrs. D. Leonita	A Study on Dempster-Shafer	Proceedings of	-			

	Ms. R. Ragavi	Theory and it's application for selection of different brands of cars	the Two Days National Conference On Actuarial Mathematics NCAM- 2025			Department of Mathematics, Sengamala Thayaar Educational Trust Women's College (Autonomous), Sundarakkotta, Mannargudi	
11	Dr. S. Vembu Ms. S. Nivedha	A Study on Soft topological spaces and real- life applications		978-81-985018-0-6	2025		

ACADEMIC YEAR (2023 – 2024)

1	Dr .V. Jayapriya Ms. C. Deepadevi	Effective Completion Of TNPSC Examination Using Fuzzy Matrix	Proceedings of the 2 nd				
2	Dr. V. Jayapriya Ms. G. Dhivya	Solving Transportation Problem by Using Demand – Supply Min Rule	International Conference on Recent Trends in			Transstellar Journal Publications & Research Consultancy(P) Ltd.,	-
3	Mrs. M. Sujitha Ms. A. Regi Narmadha	A Study on Three Operations on Fuzzy Graphs	Mathematics	978-81-967998-1-6	2024		
4	Mrs. M. Sujitha Ms. R. Nathiya	A Study on Application of Graphs to Fuzzy Models	ICRTM- 2024				
5	Mrs. M. Sujitha Ms. V. Madumitha	A Study on Fuzzy Graph Structures					
6	Mrs. S. Rubeela Mary Ms. R. Theneshwari	A Study on Analysis of The Maximum Age Group of The Agricultural Laborers Having Respiratory Problem Using Fuzzy Matrix					

7	Mrs. S. Rubeela Mary Ms. S. Anisha Ms. G. Archana	A Study on Application of Generalized Intuitionist Fuzzy Soft Matrices in Decision Making Problem Using Medical Diagnosis	Proceedings of the 2 nd International Conference on Recent Trends in Mathematics ICRTM- 2024	978-81-967998-1-6	2024	Trans stellar Journal Publications & Research Consultancy(P) Ltd.,	
8	Mrs. S. Rubeela Mary Ms. R. Rojasri	A Study on Selection of Mobile Phone with Multi Criteria Decision Making Approach					
9	Mrs. S. Rubeela Mary Ms. C. Veronikka Julie Ms. S. Subhashini	A Study on Generalized Fuzzy Multi Decision Making Problem Using Real Life Application					
10	Mrs. N. Sudha Ms.M. Murfana Farvenen	On Solving Fuzzy Linear Fractional Programming Problem					
11	Mrs. N. Sudha Ms. M. Muthamizh	On Solving Fully Fuzzy Transportation Problem Using Trapezoidal Fuzzy Numbers					
12	Mrs. N.Sudha Ms. S. Srilakshmi	On Solving Primal Dual Method for Linear Programming Problems with Fuzzy Numbers					
13	Mrs. N.Sudha Ms. G. Kaviyarasi	A New Method for Solving Integer Linear Programming Problems with Fuzzy Variables					
14	Mrs. D. Leonita Ms. K. Archana	Similarity Measure For Neutrosophic Set					
15	Mrs. D. Leonita Ms. P. Dhirsha	Picture Fuzzy Sets and their Application					
16	Mrs. D. Leonita Ms. R. Ragavi	Neutrosophic Set and its Application in Career Determination via Normalized Euclidean Distance Method					

17	Mrs. D. Leonita Ms. B. Naseera Begum Ms. C. Navitha	Business Decision Making and Forecasting According to Probability Principles Convergences Between Historical and Empirical Research Method in Fuzzy Environment	Proceedings of the 2 nd International Conference on Recent Trends in Mathematics ICRTM- 2024	978-81-967998-1-6	2024	Trans stellar Journal Publications & Research Consultancy(P) Ltd.,	
18	Mrs. D. Leonita Ms. G. Devipriya Ms. S. Bhavadharani	Application of Fuzzy Linear Programming in Production Planning					
19	Mrs. S. Abirami Ms. S. Jothilakshmi	Application Of Fuzzy Membership Matrix In Decision Making					
20	Mrs. S. Abirami Ms. A. Deepika	Fuzzy Transportation Problem in Hexagonal Fuzzy Number using Min-Max Average Method					
21	Mrs. S. Abirami Ms. S. Sangeetha	Fuzzy Transportation Problem of Trapezoidal Symmetric Fuzzy Number using Min-Max Average Method					
22	Mrs. S. Abirami Ms. V. Rithika	Travelling Salesman Problem By Using Various Methods					
23	Dr. S. Vembu Ms. P. Kaviyanjali	A Study on Intuitionistic Fuzzy Soft Matrix Theory And Its Application In Decision Making					
24	Dr. S. Vembu Ms. S. Nivedha	On Soft Generalized**Closed Sets in Soft Bi topological Spaces	Proceedings of the 2 nd International Conference on Recent Trends in	978-81-967998-1-6	202	Trans stellar Journal Publications & Research Consultancy(P) Ltd.,	

			Mathematics ICRTM- 2024		4		
ACADEMIC YEAR (2019 – 2020)							
1	Mrs. V. Jayapriya Ms. R. Keerthana	Neutrosophic Soft Bipartite Graph	IJAEMA	0886- 9367/XII/ I	JANUAR Y 2020	UGC CARE GROUP II	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
2	Mrs. V. Jayapriya Ms. L. Viswanandhini	A Fuzzy Neutrosophic Soft Set Model in Food					
3	Mrs. V. Jayapriya Ms. B. Swathi	An Application on Fuzzy Matrices by using Soft Multi set					
4	Mrs. V. Jayapriya Ms. T.Yoga Durga	Real Life Application On Rough Set Theory					
5	Mrs. V. Jayapriya Ms. J. Juli	Soft Set With Decision Making Problem					
6	Mrs. N. Sudha Ms. S. Kaviya	On Solving Assignment Problem For Hexagonal Fuzzy Number Using Robust's Ranking Technique					
7	Mrs. N. Sudha Ms. V. Dhivya	On Solving Fuzzy Multi Objective Non-linear Programming Problem Using Trapezoidal Fuzzy Numbers					

8	Mrs. N. Sudha Ms. H. AsifaJahira	On Solving Fuzzy Quadratic Programming Problem Using Beale's Method Approach	IJAEMA	0886-9367/XII/I	JANUAR Y 2020	UGC CARE Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
9	Mrs. S. Rubeela Mary Ms. V. Nivetha	Solving Average Multi-Objective Fuzzy Linear Optimization Problem Using Fuzzy Programming Technique					
10	Mrs. S. Rubeela Mary Ms. S. Sapnadevi	Method for Solving Fuzzy Transportation Problem Using Hexagonal Fuzzy Number					
11	Mrs. S. Rubeela Mary Ms. S. Sivaranjani	Ranking of the Heptagonal Fuzzy Number to Solve Fuzzy Min – Max Transportation Problem					
12	Mrs. S. Rubeela Mary Ms. S. Chitra Devi	Solving Fuzzy Multi-Objective Average Linear Programming Problems with Linear Membership Functions					
13	Dr. C. Kayalvizhi Ms. D. Mounika	Application of Fuzzy Soft Bipartite Graph in Significance of Undergraduate Studies and Postgraduate Studies					
14	Dr. C. Kayalvizhi Ms. A. Durgasri	Perfect Matching In Multi Fuzzy Graph					
15	Dr. C. Kayalvizhi Ms. K. Sindhuja	Domination in Fuzzy Complete Graph					

16	Dr. T. Rajeswari Ms. M. Sivasankari	Alpha Fuzzy Normal Subgroups in Alpha Fuzzy Subgroups	IJAEMA	9367/XII/ I	JANUAR Y 2020	UGC CARE Group 'II'	.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
17	Dr. T. Rajeswari Ms. R. Nikitha	Some Properties of Alpha Level Subgroup of Alpha Fuzzy Subgroup					
18	Dr. T. Rajeswari Ms. R. Yasotha	Anti Fuzzy Normal Subgroups in \mathbb{Z} Anti Fuzzy groups					
19	Ms. R. Poonkodi Ms. K. Kalaivani	Special Types of Decoding for Linear Codes					
20	Ms. R. Poonkodi Ms. N. Abinaya	Intuitionistic Fuzzy Sets in Thyroid Analysis					
21	Ms. R. Poonkodi Ms. R. Sushmitha	Equivalent Codes over [7,23] Linear Code					
22	Dr. P. Padma Ms. R. Kaviya	Four domination in graphs					
23	Dr. P. Padma Ms. S. Pavithra	A Study on Odd and Mean Labeling of Hausdorff Cycles					
24	Dr. P. Padma Ms. S. Amirthalakshmi	Perfect Triple Domination Number and Independent Triple Domination Number of a Fuzzy Graph					
25	Dr. P. Padma	Pair wise Q^{**0} -Compact spaces in					

<http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP>

	Ms. K. Pavithra	bitopological spaces	IJAEMA	9367/XII/ I	Y 2020	Group 'II'	2020-SP
26	Dr. P. Padma Ms. R. Manjula	Perfect Four Domination Number And Independent Four Domination Number Of A Fuzzy Graph					
27	Dr. P. Padma Ms. N. Vanmathi	Perfect Five Domination Number And Independent Five Domination Number of A Fuzzy Graph					
28	Dr. P. Padma Ms. U. Saraladevi	Q^{**0} - Compact spaces in Topological spaces					
29	Dr. P. Padma Ms. B. Pavithra	Some Topological Separation Axioms Using $g p^{**}$ - Open Sets					
30	Dr. P. Padma Ms. N. Jayasudha	Pair wise Q^{**0} - Connectedness in bitopological spaces					
31	Dr. P. Padma Ms. C. Deepadevi	Q^{**} - Closed sets in topological spaces					
32	Dr. P. Padma Ms. M. Bharathipriya	Perfect Four Domination Number And Independent Four Domination Number of A Graph	IJAEMA	0886- 9367/XII/ I	JANUAR Y 2020	UGC CARE Group 'II'	http://www.ijaema.com/VOLUME-12-ISSUE-1-JANUARY-2020-SP
33	Dr. P. Padma Ms. M. Aishwarya	Pasting Lemma for Q^{**} - Continuous Function					
34	Dr. P. Padma	Perfect Five Domination Number And Independent Five Domination					

	Ms. R. Karthica	Number Of A Graph					
35	Dr. P. Padma Ms. R. S. Subasri	A Study On Five Domination Number In Graphs					

FACULTY CHAPTER PUBLICATION PARTICULARS

S.N O.	NAME OF THE AUTHOR (S)	TITLE OF THE CHAPTER	BOOK NAME	ISSN / ISBN	YEAR	PUBLISHED IN	JOURNAL LINK
ACADEMIC YEAR (2024 – 2025)							
1	Dr. V. Jayapriya	Fuzzy Matrix Analysis-Solar Energy	Futuristic Trends in Contemporary Mathematics & Applications Volume 3 book 4	978-93-6252-416-4	2024	Iterative International Publishers	https://www.iipseries.org/
2	Dr. V. Jayapriya	On Pronic Gracefulness of Graphs					
3	Dr. S. Vembu	Business Mathematics and Statistics	Business Mathematics and Statistics	978-81-978236-2-6	2024	Multi Spectrum Publications	-

FACULTY EXCELLENCE

S.NO.	DATE	NAME OF THE STAFF	EDITOR/ CO-EDITOR/REVIEWER/ RESOURCE PERSON	TITLE OF THE EVENT / JOURNAL NAME	ORGANISATION
ACADEMIC YEAR (2025 – 2026)					
1	23.09.2025	Dr. V. Jayapriya	Reviewer	Certificate of Excellence	BP International
2	24.06.2025	Dr. V. Jayapriya	Board of Studies Member	-	Don Bosco College (A), Maram Manipur
3	06.03.2026	Dr. V. Jayapriya	Reviewer	Certificate of Excellence	Journal of Advance in Mathematics and Computer Science
4	13.06.2025	Mrs. D. Leonita	Board of Studies Member	-	Government Arts College for Women (A), Kumbakonam
ACADEMIC YEAR (2024 – 2025)					
1.	03.08.2024	Dr. V. Jayapriya	Reviewer	Asian Journal of Fisheries and Aquatic Research	-
2	20.08.2024	Dr. V. Jayapriya	Reviewer	Annual Research & Review in Biology	-
3				National Conference on	

	29.01.2025	Dr. V. Jayapriya	Resource Person	Actuarial Mathematics (NCAM-2025)	S.T.E.T Women's College (A), Mannarkudi.
ACADEMIC YEAR (2023 – 2024)					
4	07.12.2023	Dr. V. Jayapriya	Reviewer	Asian Journal of Fisheries and Aquatic Research	-
5	09.01.2024	Dr. V. Jayapriya	Reviewer	Asian Journal of Fisheries and Aquatic Research	-
ACADEMIC YEAR (2022 – 2023)					
6	06.03.2023	Dr. V. Jayapriya	Reviewer	Journal of Applied and Engineering Mathematics.	-

FACULTY AWARDS

S.N O.	DATE	NAME OF THE STAFF	AWARD	EVENT	ORGANISATION
ACADEMIC YEAR (2025 – 2026)					
1	08.03.2026	Ms. M. Sujitha	Semmal Selvi Award	International Women's Day	International Women's Dream Power Association
ACADEMIC YEAR (2024 – 2025)					
1	19.08.2024	Dr. V. Jayapriya	Best Women Faculty Award 2024	National Faculty Excellence Award	Lana Research Institute, Chennai.
ACADEMIC YEAR (2023 – 2024)					
2	01.01.2024	Mrs. N. Sudha	Best Organizer Award	New Year Celebration	Lion R. Sundararajan Vice President of BMO

S.N O.	DATE	NAME OF THE STAFF	SEMINAR/ CONFERENCE/ WORKSHOP/ FDP	VENUE
ACADEMIC YEAR (2025 – 2026)				
1	13.10.2025 to 19.10.2025	Dr. G. Jasmine	Mathematics for the Future: Bridging Theory and Technology	AMC Engineering College (A), Bengaluru.
2	01.12.2025 to 05.12.2025	Dr. V. Jayapriya, Mrs. S. Rubeela Mary	Understanding NEP 202: Shifting focus from knowledge Transmission to skill development	Stella Matutina College of Education, Chennai & Sri Vidhya College of Arts and Science, Virudhunagar
3	05.01.2026 to 09.01.2026	Dr. V. Jayapriya, Mrs. S. Rubeela Mary, Mrs. M. Sujitha, Mrs. D. Leonita, Dr. S. Vembu, Dr. G. Jasmine Mrs. S. Abirami	Future Revolution Ideas And Exalted Quality” FUTRIX 2K26.	Secours Arts & Science College (A), Thanjavur.
4	06.01.2026 to 12.01.2026	Mrs. M. Sujitha	Employability Skills	Secours Arts & Science Colleg (A), Thanjavur.
5	16.02.2026 to 21.02.2026	Dr. G. Jasmine	Effective use of AI in Modern Teaching Learning and Research	St. Xavier’s college (A), Palayamkottai & Morning Star Arts and Science College for Women, Pasumpon
6	20.02.2026	Dr. V. Jayapriya Mrs. D. Leonita	Recent Advances in Graph Coloring and Innovative Techniques in	Government College for Women (A), Kumbakonam

		Dr. S. Vembu	Algebraic Graphs	
ACADEMIC YEAR (2024 – 2025)				
1	24.06.2024 - 29.06.2024	Mrs. N. Sudha	FDP on the topic 'Drone Pilot Techniques – Tamil Nadu Unmanned Aerial Vehicle'	Bharathidasan University, Tiruchirappalli.
2	20.08.2024 & 21.08.2024	Dr. V. Jayapriya Mrs. S. Rubeela Mary Mrs. D. Leonita	FDP on "Unveiling Emerging Research Trends in Mathematics"	SRM Madurai College for Engineering and Technology, Sivagangai.
3	02.09.2024 - 06.09.2024	Dr. V. Jayapriya Mrs. M. Sujitha Mrs. N. Sudha Dr. S. Vembu Mrs. S. Saritha Mrs. R. Abirami Ms. R. Sivaranjini	National Level Five - Day Virtual FDP entitled "SEPT @ 360 – Skill Enhancement Program for Teachers"	Stella Matutina College of Education, Chennai and Sri Vidhya College of Arts and Science, Virudhunagar
4	22.09.2024	Dr. V. Jayapriya Mrs. S. Rubeela Mary Mrs. M. Sujitha	One - Day National Workshop on Graph Theory	Sridharacharya Academy of Mathematical Sciences (SAAMS), Midnapore, West Bengal
5	14.12.2024 - 16.12.2024	Dr. S. Vembu	Three - day International Online Workshop on "Basic Statistical Analysis and its Interpretation using JAMOVİ"	Institute for Statistics and Analytical Research (ISAR), Chennai
6	06.01.2025 - 11.01.2025	Ms. R. Sivaranjani	FDP on "Power BI"	Bharathidasan University, Trichy.
7	30.01.2025	Dr. S. Vembu	National Conference on Actuarial Mathematics – 2025	S.T.E.T Women's College (A), Mannarkudi
8	14.02.2025	Mrs. N. Sudha	Seminar on "Guidelines for Publishing	TBML College, Porayar

		Mrs. D. Leonita	Research Articles in Indexed Journals	
ACADEMIC YEAR (2023 – 2024)				
1	28.07.2023	Mrs. S. Rubeela Mary	Five Days FDP on the topic 'Data Literacy with Tableau	Bharathidasan University, Trichy
2	20.09.2023 - 22.09.2023	Dr. V. Jayapriya Mrs. M. Sujitha	Faculty Development Programme on Problem Solving Skills	Idhaya College and ICT Academy.
3	06.10.2023	Dr. V. Jayapriya	Preparatory Workshop for IndiaRankings2024	Human Resource Development Centre, Bharathidasan University, Trichy
4	15.11.2023 - 21.11.2023	Dr. V. Jayapriya Mrs. S. Rubeela Mary Mrs. M. Sujitha Mrs. D. Leonita Dr. S. Vembu	Five-Day virtual Faculty Development Programme on "NTA-JRF/NET/SET – Paper"	Internal Quality Assurance Cell, Tagore College of Arts and Science, Chrompet, Chennai through online platform
5	27.11.2023 - 02.12.2023	Dr. V. Jayapriya Mrs. S. Rubeela Mary	Teacher's Enrichment Workshop	SASTRA University, Kumbakonam
6	20.12.2023	Dr. V. Jayapriya	MTTSOverture2023	Idhaya College for Women, Kumbakonam.
7	23.12.2023	Mrs. S. Rubeela Mary Mrs. N. Sudha Mrs. D. Leonita	International conference on "Recent Trends in Applied Mathematics With Computing"	Koneru Lakshmaiah Education Foundation (Deemed to be University), Vaddeswaram, Guntur, Andhra Pradesh.
8	17.02.2024	Mrs. S. Rubeela Mary	State Level Seminar on "Navigating Academic publishing: Journal Article publication, Research Indicator and plagiarism awareness"	ADM College for Women, Nagapattinam
9	06.03.2024	Dr. V. Jayapriya Mrs. S. Rubeela Mary Mrs. M. Sujitha Mrs. N. Sudha Mrs. D. Leonita	International Conference on Recent Trends in Mathematics	Idhaya College for Women, Kumbakonam

		Mrs. S. Abirami Dr. S. Vembu Mrs. R . Indradevi		
10	16.03.2024	Mrs. N. Sudha Mrs. D. Leonita	State Level Workshop on Intellectual Property Rights Quality Research & Publications.	TBML College, Porayar.