

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)
STAFF PROFILE**

PERSONAL INFORMATION

1. **Name** : Dr. K. Kalaiarasi
2. **Date of Birth** : 25.02.1981
3. **Address** :

Residential	Office
Dr. K. Kalaiarasi No.6, North Vellala Street, Pandamangalam, Woraiyur, Trichy-620003 Tamilnadu	Dr. K. Kalaiarasi Assistant Professor, PG and Research Department of Mathematics Cauvery College for Women, Annamalai Nagar, Trichy-620018 Tamilnadu

ACADEMIC INFORMATION

4. **Designation & Department** : Assistant Professor
PG and Research Department of Mathematics

5. **Educational Qualification** :

Degree	Year	College/University
B.Sc., Mathematics	April 2001	Holy Cross College, Bharathidasan University
M.Sc., Mathematics	April 2003	Holy Cross College, Bharathidasan University
M.Phil., Mathematics	March 2005	St. Joseph College, Bharathidasan University
Ph.D Mathematics	August 2013	Manonmanium Sundranar University, Thirunelveli
*D.Sc., (Doctor of Science - Mathematics)	Pursuing	Srinivasa University, Surathkal , Mangalore

6. Researcher ID:

Linked in : <http://www.linkedin.com/pub/dr-kalaiarasi-k/26/9/a52>

Google Scholar ID: MzISYJEAAAAJ

Citations	329
h-index	9
i10-index	9

Orchid id: <https://orchid.org/0000-0001-6705-5354>

Scopus Author ID: 24512328500

Citations	60
h-index	4

Author ID: 57205761385

Mendeley:

<https://www.mendeley.com/search/?page=1&query=Optimization%20of%20fuzzy%20inventory%20EOQ%20model%20using%20kuhn-tucker%20method&sortBy=relevance>

Web of Science : [AAQ-7942-2020](#)

Citations	12
h-index	2

Research Gate ID: <https://www.researchgate.net/profile/Kkalaiarasi-Kalaichelvan>

Research Interest Score	241.1
Citations	200
h-index	9

Website : <https://drkkalaiarasi.org/>

Publons: <https://publons.com/researcher/1693974/kalai-arasi/>

Vidwan : <https://vidwan.inflibnet.ac.in/profile/205835>

7. Experience :

Date of Joining	Institution	Year of Experience
16.06.2016	Cauvery college for women	8 years, 9 Months
Dec-2014	Vel Tech University	1 Year ,6 Months
Dec-2013	Cambridge Institute of Technology	1 year
Dec-2010	CMRIT College	3 years
Dec-2008	SEA College	1 year
Dec-2003	Lowry Memorial College	5 years

Dec-2003	Urumu Dhanalakshmi College	1 year, 6 Months
Jun-2003	Holy Cross College	6 Months

8. **Areas of Specialization** : Fuzzy set theory and its applications

9. **Languages known** : Tamil, English

10. **Subjects Taught** :

UG	Mathematical Statistics I ,Mathematical Statistics II, Astronomy, Abstract Algebra , Matlab Programming in C language Practical
PG	Algebra, Linear Algebra, topology, Mathematical Statistics, Advanced Numerical Analysis
M.Phil	Research Methodology , Fuzzy set theory

11. **Research Supervision:**

	University from where guideship obtained	Thesis		
		Completed (in numbers)	Year of Completion	Pursuing (in numbers)
M.Phil	Bharathidasan University	12	2017 - 2022	2
P.hD	Bharathidasan University	3	-	4

12. Details of Publications:

S. No	Journal Name and Volume	Year of Publications	ISSN	Name of the Paper	Impact Factor
1.	Global journal of Pure and applied mathematics & 13	June 2017	0973-1768	An Introduction to fuzzy strong graphs, fuzzy soft graphs, complement of fuzzy strong and soft graphs	0.19
2.	International journal of current research & 9	July-2017	0975-833X	Arc sequence in complete and regular fuzzy graphs	7.749
3.	Global journal of mathematical science: Theory and practical & 9	Aug-2017	0974-3200	Regular and irregular m-polar fuzzy graphs	7.7
4.	Global journal of mathematical sciences: Theory and practical & 9	Aug-2017	0974-3200	Fuzzy coloring circular interval graphs of integer decomposition with constant variables	7.7
5.	International journal of fuzzy mathematical archive & 14	Dec-2017	2320-3247	Coloring of regular and strong arcs fuzzy graphs	1.37
6.	International journal of fuzzy mathematical archive & 14	Dec-2017	2320-3242	Fuzzy coloring of interval-valued fuzzy graph	1.137
7.	International journal of pure and Applied Mathematics &11	Feb-2018	1314-3395	Different types of edge sequence in pseudo regular fuzzy graphs	7.19
8.	Journal of Advanced Research in Dynamical and Control Systems & 1	June 2018	1943-023X	Optimization of Fuzzy Multi-Product ,Multi-Period Model to select supplier for Deteriorating products while considering uncertainty as well as Back Order	0.08
9.	International Journal of Computer Sciences and Engineering & 6	Aug 2018	2347-2693	Coloring of Polyhedral Regular and Irregular Fuzzy Graphs	3.022
10.	International journal of pure and Applied Mathematics & 12	Sep 2018	1314-3395	On Conormal product of two intuitionistic fuzzy graphs	7.19
11.	International journal of pure and Applied Mathematics & 12	Sep- 2018	1314-3395	Strong Domination in Pseudo regular and complete fuzzy graphs	7.19
12.	International journal of pure and Applied Mathematics & 12	Sep 2018	1314-3395	Strong Interval-valued Neutrosophic Intuitionistic Fuzzy Graph	7.19
13.	International Journal of Mechanical Engineering and Technology & 9	Nov 2018	0976-6340	Optimization Of Fuzzy EOQ Model with unit time depended constant Demand and Shortages	3.46

14.	International Journal of Mechanical Engineering and Technology & 9	Nov 2018	0976-6340	Optimization of Fuzzy Inventory model without shortage using Pentagonal Fuzzy Number	3.46
15.	International Journal of Research and Analytical Reviews & 6	Jan 2019	2349-5138	Origin of KM-Algebra	5.75
16.	International Journal of Research in advent Technology & 3	Jan 2019	2321-9637	A Fuzzy Flow Shop Scheduling multi-Objective Model	3.505
17.	International Journal of Research in advent Technology & 2	Jan 2019	2321-9637	An Approach for Production planning using Fuzzy goal programming Technique	3.505
18.	International Journal of Research and Analytical Reviews & 6	Feb 2019	2349-5138	New Approach on Fuzzy graphs and Anti-Fuzzy Graphs with Special arcs	5.75
19.	International Journal of Research and Analytical Reviews & 6	Feb -2019	2348-1269	Strong and Weak Domination in Intuitionistic Fuzzy Graph	5.75
20.	International Journal of Research and Analytical Reviews & 6	Feb 2019	2349-5138	Edge coloring of a Complement of Strong Interval valued Intuitionistic fuzzy graph	5.75
21.	IEEE & 5	Feb -2019	2348-1269	Systematic Grid reallocation through reliable lambda process	5.75
22.	Malaya Journal of Matermatik & 7	March 2019	2348-1269	Economic order quantity in fuzzy sense with allowable shortages: A Karush Kuhn-tucker conditions approach	5.75
23.	Journal of Advances and Scholarly Researches in Allied Education & 16	June-2019	2230-7540	A Study on Math Rotter Model for Acknowledge of Intellectual with Technology	4.75
24.	Adalya journal & 8	Aug-2019	1301-2746	Square sum Min-max intuitionistic fuzzy labeling graphs	5.3
25.	Adalya journal & 8	Aug-2019	1301-2746	Various product and dual strong domination in mixed and square mixed intuitionistic fuzzy graphs	5.3
26.	Adalya journal & 8	Aug-2019	1301-2746	Interval, Double-valued Neutrosophic intuitionistic fuzzy graphs	5.3

27.	Info Kara Research & 8	Sep-2019	1021-9056	Derivations of KM-algebra	5.3
28.	Journal of Advanced Research in Dynamical and control systems & 11	sep-2019	1943-023X	Optimization of fuzzy Economic production Quantity Inventory Model	0.08
29.	Journal of Advanced Research in Dynamical and control systems & 11	Aug-2019	1943-023X	Optimization of fuzzy Inventory EOQ Model using Kuhn-Tucker Method	0.08
30.	Journal of the Gujarat Research society & 21	Sep-2019	0374-8588	Optimization of Rework cost function under fuzzy inventory model for synchronous and asynchronous	4.3
31.	Compliance Engineering journal & 10	Sep-2019	0898-3577	Application of fuzzy measures in image processing of fauna and flora	6.1
32.	Journal of information and computational science & 9	Sep-2019	1548-7741	Optimization of fuzzy inventory model for deterioration item with partial backlogging	0.15
33.	International journal of analytical and experimental modal analysis & XI	October-2019	0886-9367	A study on phases of moon, chandrayan-II, sidereal month and synodic month	6.3
34.	Info Kara Research & 8	Sep-2019	1021-9056	Mid-width method for solving for real interval integer triangular fuzzy Transportation problem	5.3
35.	Adalya journal & 8	Aug-2019	1301-2746	Fuzzy transportation problem optimization of fuzzy trisection trapezoidal transportation problem	5.3
36.	The international journal of analytical and experimental modal analysis & XII	Jan-2020	0886-9367	Minimal Spanning Tree Under Single Valued Neutrosophic Fuzzy Graphs	6.3
37.	The international journal of analytical and experimental modal analysis & XII	Jan-2020	0886-9367	Inventory model optimized to rectify the shortage by using Kuhn-Tucker method	6.3
38.	The international journal of analytical and experimental modal analysis & XII	Jan-2020	0886-9367	Fuzzy inventory model of defective items in manufacturing process	6.3
39.	Journal of interdisciplinary cycle research & XII	Jan-2020	0886-9367	Lagrangian method of EOQ for Synchronous and asynchronous	5.8
40.	Studies in Indian Place Names & 40	Jan-2020	2394-3114	A Study on Chandrayaan-Ii, Lunar Liberation, Lunar	6.3

				Day, Lunar Time	
41.	Our Heritage & 68	Feb-2020	0474-9030	Fuzzy measure-null additive, sub additive, super additive, auto continuous, uniformly auto continuous	6.8
42.	Parishodh Journal & IX	March 2020	2347-6648	Regular and Strong Anti-Labeling Fuzzy Graphs	6.3
43.	Parishodh Journal & IX	March 2020	2347-6648	The join product and dual strong domination in mixed split intuitionistic fuzzy graph	6.3
44.	The International journal of analytical and experimental modal analysis & XII	March 2020	0886-9367	A New Notion on KM-algebra	6.3
45.	Parishodh Journal & IX	March 2020	2347-6648	The Shortest Path on Minimal Spanning Tree with Triangular Single- Valued Neutrosophic Intuitionistic Fuzzy Graph	6.3
46.	TEST Engineering & Management magazine & 1	March - April 2020	0193-4120	Fuzzy Inventory eq Model with the Impact of Stochastic Lead time Reduction	5.9
47.	Journal of Xidian University & 14	April 2020	1001-2400	Optimization of a Multiple-Vendor Single Buyer Integrated Inventory Model with A Variable Number of Vendors	5.4
48.	Journal of Xidian University & 14	April 2020	1001-2400	Generalized Derivations of KM-algebras	5.4
49.	Malaya Journal of Matematik & 12	2020		Multi-item fuzzy inventory model by Kuhn-Tucker method	5.9
50.	Gedrag & Organisatie Review & 33	June 2020	0921-5077	Fuzzy Sets in KM-algebras	4.2
51.	International Journal of Advanced Science and Technology & 29	June 2020	2005-4238	A Geometric Programming Approach for Deteriorating Single Item Inventory Model with Fuzzy Parameters	0.41
52.	Advances in Mathematics: Scientific Journal & 9	June 2020	1857-8365.	Fuzzy Economic Order Quantity Inventory Model Using Lagrangian Method	1.372
53.	Journal of Critical Reviews & 7	June 2020	2394-5125	Optimization Of Multi-Item (Eoq) Model for A Single-	1.091

				Buyer Using Fuzzy Geometric Programming	
54.	Journal of Critical Reviews & 7	July 2020	2394-5125	Optimizing EOQ Using Geometric Programming with Varying Fuzzy Numbers by Applying Python	1.091
55.	Journal of Model based Research & 3	Aug 2020	2643-2811	Determining the efficiency of fuzzy logic EOQ inventory model with varying demand in comparison with Lagrangian and Kuhn-Tucker method through sensitivity analysis	1.091
56.	Kala Sarovar & 23	Oct-Dec 2020	0975-4520	Optimization of fuzzy inventory model with trapezoidal fuzzy numbers: Lagrangian method	2.56
57.	Sambodhi & 43	Oct-Dec 2020	2249-6661	Rainbow domination in graphs	2.98
58.	Sambodhi & 43	Oct-Dec 2020	2249-6661	Characterization of outer-clique domination in graphs	2.96
59.	Sambodhi & 43	Oct-Dec 2020	2249-6661	Expected profit of an eoq inventory model with inferior worth products	2.96
60.	Journal of the Maharaja Sayajirao University of Baroda & 15	Dec-2020	0025-0422	A retailer total profit of an eoq inventory under trade credit	5.544
61.	Materials Today: Proceedings	Dec 2020	2214 - 7853	Fuzzy EOQ model with stochastic lead time using yager's technique	1.3
62.	Materials Today: Proceedings	Jan 2021	2214 - 7853.	Solving a multi-product single machine EPQ inventory model with GP mode: By using python	1.3
63.	Journal of Advances and Scholarly Researches in Allied Education & 16	Jan 2021	2230-7540	A Study on Math Rotter Model for Acknowledge of Intellectual with Technology	3.16
64.	Materials Today: Proceedings	Jan 2021	2214 - 7853.	Optimization of unconstrained multi-item (EPQ) model using fuzzy geometric programming with	1.3

				varying fuzzification and defuzzification methods by applying python	
65.	Materials Today: Proceedings	Jan 2021	2214 - 7853.	Comparison of hexagonal fuzzy numbers with varied defuzzification methods in optimization of EOQ using GP technique	1.3
66.	The Journal of Indian Art History Congress & 27	Jan 2021	0975 – 7945	Optimization of Optimal Ordering Strategy Pricing Model of Fuzzy Total Cost in Degraded Materials	-
67.	The Journal of Indian Art History Congress & 51	Jan 2021	0975 – 7945	Optimization of EOQ Inventory Model with Inferior Worth Products in Expected Profit Per Cycle and Time	-
68.	Wesleyan Journal of Research & 14	Feb 2021	0975-1386	A Retailer Total Profit Per Unit Time of An EOQ Inventory Under Both Non-Linear Stock and Holding Cost, Trade Financial	-
69.	Materials Today: Proceedings	Mar 2021	2214 - 7853.	Shortest path on interval-valued nether trapezoidal Neutrosophic fuzzy graphs	1.3
70.	Communications in Computer and Information Science (CCIS) & 13	Mar 2021	2214 - 7853	Rethinking the Limits of Optimization Economic Order Quantity (EOQ) Using Self Generating Training Model by Adaptive-Neuro Fuzzy Inference System	-
71.	Materials Today: Proceedings	Mar 2021	2214 - 7853.	Shortest path on interval-valued nether trapezoidal neutrosophic fuzzy graphs	1.3
72.	IJRAR & 1	Feb 2019	2214-7853	Strong and Weak domination in Intuitionistic fuzzy graph	-
73.	Annals of RSCB & 25	April 2021	1442-1454	Solutions of Inventory Model with Fuzzy Demand rate using Heptagonal Fuzzy numbers	-

74.	Turkish Journal of Computer and Mathematics Education & 12	May 2021	1309-4653	Shortest Path on Interval- Valued Triangular Neutrosophic Fuzzy Graphs with Application	-
75.	Turkish Online Journal of Qualitative Inquiry (TOJQI) & 12	June 2021	1309-6591	Shortest Path On Intuitionistic Trapezoidal Neutrosophic Fuzzy Graphs With Application	-
76.	Journal of Mathematical Control Science and Applications & 7	June 2021	9740-0570	An Application of Domination in Vague Fuzzy Incidence Graphs	6.24
77.	Journal of Mathematical Control Science and Applications & 7	June 2021	9740-0570	Fuzzy Soft Tripartite Graphs and its Complement	6.24
78.	The Journal of Oriental Research Madras & XCII – XLVI	August 2021	0022-3301	Shortest Path on Interval- Valued Intuitionistic Trapezoidal Neutrosophic Fuzzy Graphs With Application	-
79.	Flusser Studies & 30	August 2021	1661-5719	Human Psychology and Related Mathematical Scientific Activities	2.7
80.	Hindawi Complexity	October 2021	-	Fuzzy Product KM-subalgebras and some Related Properties	1.7
81.	Thermal Science & 25	December 2021	2334 - 7163	Optimization of the Average Monthly Cost of an EOQ inventory model for deteriorating items in Machine Learning using Python	1.625
82.	Journal of Mathematical Control Science and Applications & 7	December 2021	9740-0570	Organizational Commitment on Organizational Citizenship Behaviors	6.24
83.	Journal of Mathematical Control Science and Applications & 7	December 2021	9740-0570	Exploring COVID-19 Anxiety in Indian Based Education by Moderating Structural Equation Model	6.24
84.	Journal of Mathematical Control Science and Applications & 7	December 2021	9740-0570	Domination in Complete Intuitionistic Fuzzy Incidence Graphs with Application	6.24
85.	Journal of Mathematical	December	9740-	Fuzzy Mean Square	6.24

	Control Science and Applications & 7	2021	0570	Sum Soft Tri-Partite Graphs and its Complement	
86.	Advances and Applications in Mathematical Sciences & 13	January 2022	0974-6803	n-Split Domination in Vertex Squared Interval-Valued Fuzzy Graphs	0.34
87.	Advances and Applications in Mathematical Sciences & 21	March 2022	0974-6803	A Study on Domination in Product Picture Fuzzy Graph and its Application	0.34
88.	Advances and Applications in Mathematical Sciences & 21	March 2022	0974-6803	Vertex Perfect Anti-Magic Bipolar Fuzzy Labeling Graphs	0.34
89.	Advances and Applications in Mathematical Sciences & 21	March 2022	0974-6803	Application of Cactus Fuzzy Labeling Graph	0.34
90.	Discrete Dynamics in Nature and Society, Hindawi	May 2022	1026 - 0226	Perfect Fuzzy Soft Tripartite Graphs and their Complements	1.3
91.	South East Asian Journal of Mathematics and Mathematical Sciences & 18	April 2022	2582 - 0850	n- Domination in Vertex Squared Double Divide Interval-Valued Fuzzy Graphs	0.78
92.	Discrete Dynamics in Nature and Society, Hindawi	July 2022	1026 – 0226	The Characterization of Substructures of c-Anti Fuzzy Subgroups with Application in Genetics	1.3
93.	Computational Intelligence and Neuroscience	July 2022	1687 – 5237	Economic Order Quantity Model-Based Optimized Fuzzy Nonlinear Dynamic Mathematical Schemes	2.284
94.	Thai Journal of Mathematics & 20	June 2022	1686 – 0209	The Characterization of Fuzzy and Anti Fuzzy Ideals in AG-groupoid	-
95.	Journal of Algebraic Statistics & 13	June 2022	1309 - 1270	Determining the efficient optimal order quantity for an Inventory model with varying Fuzzy components	0.6
96.	Journal of Applied Engineering in Computer Science and Mathematics & 1	December 2021	2582-9939	Pharmaceutical supply chain and inventory management strategies: optimization for a pharmaceutical company and a hospital	1.6
97.	Journal of Applied	December	2582-	EOQ Inventory Model	1.6

	Engineering in Computer Science and Mathematics & 1	2021	9939	In Fuzzy Set Profit with Mathematical Model	
98.	New Generation Computing	September 2022	1882 – 7055	Design and Development of Modified Ensemble Learning with Weighted RBM Features for Enhanced Multi-disease Prediction Model	-
99.	Bulletin of the Calcutta Mathematical Society(Print Only)	January 2023	0008-0659	Negative Valued Function in Fuzzy KM-algebras	-
100.	Indian Journal of Science and Technology & 16	March 2023	0974 – 5645	Negative Valued Ideals of Fuzzy KM-Subalgebras	1.09
101.	Communications in Mathematics and Applications & 13	September 2022	0975-8607	A New Approach of Perfect Domination in Product of Interval-Valued Fuzzy Incidence Graphs with Application	1.9
102.	International journal of Fuzzy Logic and intelligent Systems & 23	March 2023	1598-2645	Conormal Product for intuitionistic Anti-Fuzzy Graphs	1.5
103.	Journal of Data Acquisition and Processing & 28	April 2023	1004 – 9037	Vertex Domination/Edge Domination in Semigraphs and Change in Coloring energy due to Edge Deletion	0.8
104.	Italian Journal of Pure And Applied Mathematics& 49	May 2023	2239 - 0227	The shortest path problem on chola period built temples with Dijkstra's algorithm in intuitionistic triangular neutrosophic fuzzy graph	0.16
105.	AIP Conference Proceedings	June 2023	-	Sustainable medical supply chain network during pandemic by using fuzzy inventory	-
106.	International Conference on Advancement in Computation & Computer Technologies	June 2023	-	Diagnosing the Abnormalities in Brain Tumors with the Technique of K-Means Clustering with Knowledge Acquisition	-

107.	Nonlinear Studies & 30	June 2023	2153 - 4373	The Optimality representation of a finite-life inventory model with exiguous defective with Hessian matrix approach	0.58
108.	Jnanabha & 53	June 2023	2455 – 7463	Shortest Path on Interval-Valued Intuitionistic Trapezoidal Neutrosophic Fuzzy Graphs With Application	2.7
109.	International Conference on Advancement in Computation & Computer Technologies	June2023	979 – 8 – 3503 - 9648	Fuzzy Intelligence Inventory Decision Optimization Model of Sustainability and Green Technologies for Mixed Uncertainties of Carbon Emission	-
110.	Journal of Survey in Fisheries Sciences & 10	June2023	2368 - 7487	The Optimization Machine Learning Approach of Sensitive Analysis of Fuzzy Inventory Germination of Plants Generates One-Year-Old-Seeds And Two-Year-Old-Seeds With Fuzzy Inventory	0.185
111.	Tuijin Jishu / Journal of Propulsion Technology & 44	Nov-23	1001-4055	An Integrated Approach of Ant Colony Optimization (ACO), Machine Learning (ML), and Fuzzy Logic for Revolutionizing Inventory Management in Modern Supply Chains	1.4
112.	Tuijin Jishu/ Journal of Propulsion Technology & 44	Nov-23	1001-4055	Enhancing Food Resource Allocation in India: A Fuzzy Logic Approach Integrated with Julia and Python	1.4
113.	International Journal of Intelligent Systems and Applications in Engineering & 12	Dec-23	2147-6799	Image Caption Generation Using Recurrent Convolutional Neural Network	1.03
114.	Indian Journal of Science and	Dec 2023	4585-	Arithmetic Operations	3.5

	Technology & 16		4593	of Trigonal Fuzzy Numbers Using Alpha Cuts: A Flexible Approach to Handling Uncertainty	
115.	First International Conference on Cyber Physical Systems, Power Electronics and Electric Vehicles (ICPEEV) , IEEE	Jan 2024		Fuzzy C-Means Clustering with MAIRCA -MCDM Method in Classifying Feasible Logistic Suppliers of Electrical Products	2.9
116.	Journal of Tianjin University Science and Technology & 57	February 2024	0493-2137	Optimization of Fuzzy Intervalued Function In Medicinal Manufacturing And Stock Approaches: Refinement For A Pharma Companies	0.68
117.	Journal of Nonlinear Analysis and Optimization & 15	February 2024	1906-9685	Time-Optimal Control Strategies For Susceptible-Infected recovered (SIR) Epidemic Models In Cattle: A Deep Analysis of Preventive Measures Sensitivity	1.4
118.	International Journal of Neutrosophic Science & 23	March 2024	181-193	Optimization of Neutrosophic Vendor-Buyer Economic Order Quantity Model Using Particle Swarm Optimization	0.73
119.	Emergent Converging Technologies and Biomedical Systems, Lecture Notes in Electrical Engineering	March 2024		Fuzzy Vendor–Buyer Trade Credit Inventory Model- Pentagonal Numbers in Permissible Limits Delay in Account Settlement with Supervised Learning	0.299
120.	Sigma Mathematics & 12	March 2024	2227 – 7390	Optimizing the Economic Order Quantity Using Fuzzy Theory and Machine Learning Applied to a Pharmaceutical Framework	2.3
121.	Journal of applied Mathematics and Informatics & 42	March 2024	2234 – 8417	Optimization of Stock Management System With Deficiencies Through Fuzzy Rationale With Signed Distance Method In Seaborn Programming Tool	0.467
122.	Musik in Bayern & 89	April 2024	0937 –	Optimized Approach	0.9

			583x	on Deep Machine Learning Models for Data Analytics in Atomic Spectroscopy	
123.	Indian Journal of Natural Sciences & 15	June 2024	0976 – 0997	Optimization Of Economic Order Quantity (EOQ) Model In Terms Of Trigonal Fuzzy Numbers With Linear Regression Analysis	6.091
124.	International Journal of Neutrosophic Science & 4	April 2024	2690 – 6805	Energizing Inventory Management to Optimize Energy Consumption of Handling Shortages by Neutrosophic Fuzzy Trapezoidal Number	0.73
125.	Fuzzy systems and Soft Computing & 19	June 2024	1819-4362	Optimizing Agricultural Decision-Making: A Comparative Analysis of Crop Yields in Tamil Nadu Using Fuzzy Logic and Maximum Cost Calculation with the Simplex Method	1.2
126.	Fuzzy Systems and Soft Computing & 19	July 2024	1819 – 4362	Enhancing Fuzzy EOQ Judicial Framework using Machine Learning with Weka	1.2
127.	Communications on Applied Nonlinear Analysis & 32	October 2024	1074 – 133X	Optimization of Fuzzy Economic Order Quantity using Machine Learning and Weka	0.91
128.	<u>Zeitschrift für Physikalische Chemie</u>	October 2024	0942 - 9352	Green Engineering of NiO nanoparticles decorated with Arachis hypogaea shell extract for biomedical applications	2.5
129.	Axioms & 13	October 2024	2075 - 1680	A Hybrid Fuzzy Mathematical Programming Approach for Manufacturing Inventory Models with Partial Trade Credit Policy and Reliability	1.9
130.	Advances in Nonlinear Variational Inequalities & 28	December 2024	1002 – 010X	Optimized Inventory Control Model Using Integrated	1.3

				Fuzzy Parameters and Graded Mean Integration for Production Cost Efficiency	
131.	Advanced Engineering Letters & 3	2812 – 9709	December 2024	OPTIMIZATION OF FUZZY INVENTORY MANAGEMENT IN INDUSTRIAL PROCESSES USING DEEP LEARNING ALGORITHMS: A HYBRID APPROACH FOR ENHANCING DEMAND FORECASTING AND SUPPLY CHAIN EFFICIENCY	1.5
132.	International Journal of Neutrosophic Science (IJNS) & 4	2690 – 6805	December 2024	The Analysis of Pentagonal Fuzzy Numbers in a Neutrosophic Fuzzy Inventory Management Modelling with Minimal Insufficient Supply Required and Fuzzy Consumption	1.8
133.	Advances in Nonlinear Variational inequalities & 28	1092 – 910X	February 2024	Revealing Advanced Inventory Management Approaches through Python-Based Visualization and Modelling of Neutrosophic and Fuzzy Mathematical Models for Enhanced Decision-Making and Optimization	1.3

13. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
20-02-2019	Annai Womens college, Karur	International Conference on Advances in Mathematics	Fuzzy EOQ Trade credit vendor-buyer Inventory Models

20-02-2019	Annai Womens college, Karur	International Conference on Advances in Mathematics	A study on Fuzzy Algebra and Fuzzy topology
20-02-2019	Annai Womens college , Karur	International Conference On Advances in Mathematics	A study on fuzzy ideals and fuzzy filters of Fuzzy Latices
11.01.2020	Idhaya college for women	International Conference on Pure and Applied Mathematics	The Shortest Path on Minimal Spanning Tree with Triangular Single- Valued Neutrosophic Intuitionistic Fuzzy Graph
04.03.2020	Kongunadu College of Engineering & Technology	National Conference on Mathematics: Pure, applied and Computation (NMPAC-2020)	Minimal Spanning Tree Under Single Valued Neutrosophic Fuzzy Graphs
11.08.2021	Madurai Sivakasi Nadar Pioneer Meenakshi Women college, Madurai	New angled Avenues of Applied Mathematics	The shortest path problem on india famous Seven tourist place with Dijkstra's Algorithm in Interval- Valued Intuitionistic Triangular Neutrosophic Fuzzy Graphs
15.10.2022 – 19.10.2022	Scientific Intelligence in New Normal Digital Era, FATHER Academy of India and The Association of Researchers of Thailand and University of Oradea, Thailand	Scientific Intelligence in New Normal Digital Era, FATHER Academy of India and The Association of Researchers of Thailand and University of Oradea, Thailand	Optimization of Economic Order Quantity Model on the Boundaries of the Fill Rate with Machine Learning using Python

21.12.2022 – 22.12.2022	Applied Mathematical Sciences	JJ college of Arts and Science (Autonomous), Trichy	Paper Presentation Optimization of shortages in a fuzzy inventory management system through sign distance method in Python programming language
27.01.2023 – 31.01.2023	XLVI Social Science congress	Bharathidasan University, Tiruchirappalli	Optimization of shortages in a Fuzzy inventory management system through signed distance method in python programming language
05.05.2023 – 06.05.2023	Advancement in computation and computer technologies	Chandigarh University, Punjab	Diagnosing the abnormalities in brain tumors with the techniques k-means clustering with knowledge acquisition
15.05.2023 – 17.05.2023	Emergent converging Technologies and Biomedical systems	Jaypee University of Information Technology, Wahnaghat, Solan, HP	Fuzzy Vendor-Buyer Trade Credit Inventory Model-Pentagonal numbers in Permissible Limits Delay in Account Settlement with Supervised learning

18.02.2024 - 19.02.2024	Bon Secours Arts & Science College For Women, Mannargudi	International Virtual Conference on emerging trends For futuristic Development in Science and Technology (techtrendz 2k24)	Fuzzy Inventory Models With Machine Learning Via Linear Regression Models
24.02.2024	AIMAN College, Trichy	International Conference on Recent Trends in Mathematics and its Applications - 2024	Optimization Of Fuzzy Inventory Economic Order Quantity Trade Credit Model With Machine Learning

14. Details of Seminars / Conferences / Workshops Attended:

Year & Date	Organizer	Title	National / International	Topic
29.10.2018 to 02.11.2018	Cauvery college for women and Department of Educational Technology, Bharathidasan University	Capacity Building workshop on e-content Development	National	e-content Development Fuzzy set
24.08.2019	Kongunadu College of Engineering and Technology, Namakkal	CSIR sponsored work shop "Innovations in Number Theory for Cryptography Applications"	National	Innovations in Number Theory for Cryptography Applications
11.10.2019	AIMAN College of Arts and Science, Trichy	FDP "Fuzzy Mathematics"	National	Fuzzy Mathematics

11.01.2020	Idhaya college for women	The Shortest Path on Minimal Spanning Tree With Triangular Single- Valued Neutrosophic Intuitionistic Fuzzy Graph	International	Internatinal Conference on Pure and Applied Mathematics
04.03.2020	Kongunadu College of Engineering & Technology	Minimal Spanning Tree Under Single Valued Neutrosophic Fuzzy Graphs	National	National Conference on Mathematics: Pure, applied and Computation (NMPAC-2020)
06.01.2023 – 07.01.2023	Jamal Mohammed College, Trichy	Lecture Workshop on Differential Equations and their Applications in Mathematical Modeling	National	Lecture Workshop on Differential Equations and their Applications in Mathematical Modeling
12.12.2022 – 24.12.2022	Rajarshi Shahu Mahavidyalaya (Autonomous), Latur	Capacity Building Program on Advanced Research Methodology for Young Aspirants in Social Science and Humanities (ARM YASSH – 22)	National	Advanced Research Methodology for Young Aspirants in Social Science and Humanities (ARM YASSH – 22)
27.02.2023 - 28.02.2023	Gonzaga College of Arts and Science, Krishnagiri	Webinar on Smart material and its applications	National	Webinar on Smart material and its applications

08.03.2023	Theivanai Ammal College for Women, Villupuram	Webinar on plagiarism – Importance, consequence and to avoid	International	Webinar on plagiarism – Importance, consequence and to avoid
16.03.2023	Intellectual Property Office, India	IP Awareness/ Training Program	National	IP Awareness/ Training Program
22.04.2023	Cauvery College for Women(Autonomous), Trichy	An Overview of Intellectual Property Rights	National	An Overview of Intellectual Property Rights
26.04.2023	Cauvery College for Women(Autonomous), Trichy	International IPR management	International	International IPR management
26.04.2023	Cauvery College for Women(Autonomous), Trichy	Spotlight on Intellectual Property Rights	National	Spotlight on Intellectual Property Rights
26.04.2023	Cauvery College for Women(Autonomous), Trichy	An Introduction to IPR	National	An Introduction to IPR
03.04.2023 – 05.04.2023	Mahoshri Institute of Technology (MIT Polytechnic), Yeola	Emerging trends in electrical technology	State	Emerging trends in electrical technology

05.02.2024 - 14.02.2024	NEP 2020 Orientation and Sensitization	Malaviya Mission Teacher Training Programme of UGC and Bharathidasan University	National	NEP 2020 Orientation and Sensitization
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15. Details of Seminars / Conferences / Workshops Organized:

Date	Title	National / International	Topic
06.08.2016	Conference	National	“Advances in applied mathematical sciences” NCAAMS -2k16
02.05.2020	Seminar	National – FDP	Mathematical Model for Science and Engineering
31.05.2020	Seminar	National – FDP	Semi Graph and Virus Graph
05.08.2020	Seminar	National – FDP	On Time Scale : A survey Analysis
2022 - 2024	Conference	International	New Ideas in Technology and Innovation

16. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
29.10.2018 to 2.11.2018	Capacity Building Workshop on E- Content Development	Cauvery college for Women (Autonomous)
August to October 2019	Higher Engineering Mathematics- FDP	NPTEL online course
August to October 2020	Introduction to probability and Statistics	NPTEL online course
August to October 2020	Graph Theory	NPTEL online course
August to October 2020	Descriptive statistics with R Software	NPTEL online course

January to February 2021	Python for Data Science	NPTEL online course
January to April 2021	Essential of Data Science with R-Software 1 Probability and Statistical Inference	NPTEL online course
August to October 2021	Computational Mathematics using Sage math	NPTEL online course
August to October 2021	Mentor for Introduction to R software	NPTEL online course
August to October 2021	Big Data Computing	NPTEL online course
July - October 2022	Approximate Reasoning Using Fuzzy Set Theory	NPTEL online course
July - October 2022	Essential Mathematics for Machine learning	NPTEL online course
August to October 2022	Introduction to Machine Learning	NPTEL online course
August to October 2022	Machine Learning ML	NPTEL online course
August to October 2023	Data Science for Engineers	NPTEL online course
August to November 2023	Machine learning for soil and crop management	NPTEL online course
August to November 2023	Applied Linear Algebra with AI and ML	NPTEL online course
Jan – Apr 2023	Mentor for Data Science for Engineers	SWAYAM NPTEL Course
Jan – Apr 2023	Mentor for Applied Linear Algebra in AI and ML	SWAYAM NPTEL Course
Jul – Dec 2023	Machine Learning for Earth System Science	SWAYAM NPTEL Course
Jan – April 2024	Applied Linear Algebra with AI and ML	SWAYAM NPTEL Course
Jan – March 2024	Design Technology and innovation	SWAYAM NPTEL Course

Jan – March 2024	Data Analysis for Biologist	SWAYAM NPTEL Course
August – October 2024	Descriptive statistics with R Software	SWAYAM NPTEL Course
August – October 2024	Innovations, Business Models and Entrepreneurship	SWAYAM NPTEL Course
07.12.2022 – 13.12.2022	UGC-Sponsored Online Short Term Course in Employability and Soft Skills Development	UGC-HRDC Bharathidasan University, Khajamalai Campus, Tiruchirappalli
10.1.2023 to 24.1.2023	UGC-Sponsored Online Refresher Course in Human Rights and Social Inclusion (IC)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
07.02.2023 – 20.02.2023	UGC-Sponsored Online Refresher Course in Reforms & Innovations in Higher Education	Bharathidasan University Khajamalai Campus Tiruchirappalli
10.03.2023 – 16.03.2023	UGC-Sponsored Online short term course in Quality Assurance and Enhancement in Higher Education	Bharathidasan University Khajamalai Campus Tiruchirappalli
24.04.2023 – 28.04.2023	Short term Course – Recent Advancements in Medicinal Chemistry and Material Science	Vardhaman College of Engineering, Hyderabad
12.06.2023 – 20.06.2023	UGC Approved short term professional development programme on “ Implementation of NEP 2020 for universities and college teachers”	Indira Gandhi National Open University, New Delhi
05.02.2024 -14.02.2024	NEP 2020 Orientation and Sensitization	Malaviya Mission Teacher Training Programme of UGC and Bharathidasan University
20.04.2024-29.04.2024	UGC- Sponsored National Education policy: Orientation and Sensitization Programme	Bharathidasan university, Tiruchirapalli
20.05.2024 -29.05.2024	NEP 2020 Orientation and Sensitization Programme	UGC Malaviya mission teacher center, Bharathidasan university,Trichy.
09.07.2024 – 26.08.2024	FOP on “Ignite Entrepreneurship Course”	Wadhvani Entrepreneur Network (WEN), Wadhvani Foundation

17. Details of Study Materials / Books written and published:

Books Published

- Fuzzy Inventory Models - Lambert Academy Publishing
- Reading and Writing Dyslexia - Kindle Edition
- Fuzzy Inventory Models with Machine Learning - Ryan Publishers
- Fuzzy EOQ Model Optimization Analysis Utilizing MATLAB, Python and Weka - Ryan Publishers

18. Details of Chairing as Resource Person:

Date	Title of the Seminar/Conference	Institution	Session Sharred
2017	Application of mathematics	Cambridge institute of technology	2 days
2017	Fuzzy inventory models	Aiman arts and science college for women	10.00 – 11.30 AM
2018	Application of Mathematics	Annai Arts and science College	10.00 -12.00 PM
25.01.2019	Application of mathematics in real life	Sri saradha college for women, Perambalur	10.00 -12.00 PM
05.03.2019	Real life Applications of Algebra	Annai women's College, Karur	11.00 - 12.00 P.M
04.06.2020	Applications of Fuzzy Mathematics	Sri Ramakrishna College of Arts & Science For Women, Coimbatore	10.00 – 11.00 AM
28.06.2020 – 29.06.2020	Fuzzy Graph and its Applications	Nizwa College of Technology, Oman	3.00 – 4.00 PM
12.07.2020	Development of Fuzzy inventory Models	Mahendra College of Engineering, Salem	10.30 – 12.00 PM
22.07.2020	Advances & Applications of Mathematics	Arts Commerce & Science College, Kille-Dharur	11.00 – 12.00 PM
12.09.2020	Applications of Mathematics in Real life	Cheran Arts & Science College, Kangeyam	10.00 – 11.00 AM
07.10.2020	Virtual Conference on Recent Trends and Technology of Mathematics and Science	Queens College of Arts and Science, Puddukottai	3.00 – 4.00 PM
16.10.2020	Optimization of Fuzzy economic order quantity model for a Governable Carbon Emission for inventory models	Cheran Arts & Science College, Kangeyam	10.30 – 12.00 PM
02.11.2020	Enhancing Awareness in Future Generation of Engineers	Nehru Institute of Technology, Coimbatore	11.00 – 12.00 PM

26.02.2021	Real Life Application of Mathematics	Vasantdada patil Arts, Commerce & Science College, Patoda , Maharashtra	10.00 – 11.00 AM
12.3.2021	Advances in Analysis and Algebra	Rajah serfoji Government College, Thanjavur	3.00 – 4.00 PM
05.08.2021	Carrer Paths in Mathematics	Rabiammal Ahamed Maideen College for Women – Thiruvarur	10.00 – 11.00 AM
06.10.2021	A Promising Approach for Fuzzy Inventory Models based on Machine Learning	Dr. MGR Research and Educational Institute	1.30 – 2.30 PM
01.10.2021	Optimization of Fuzzy Based Machine Learning Models	Kongunadu College of Engineering and Technology	10.30 – 12.00 PM
28.09.2021 – 30.09.2021	Enhancement of Mathematical Research from students Perspective	Rathinam College of Arts and Science, Coimbatore	3.00 – 4.00 PM
01.10.2021	Optimization of Fuzzy Based Machine Learning Models	Kongunadu College of Engineering and Technology	10.00 – 12.00 PM
06.10.2021	A Promising Approach for Fuzzy Inventory Models based on Machine Learning	Dr. MGR Research and Educational Institute	1.00 – 3.00 PM
02.12.2021	Applications of Mathematics in Real Life	Srinivasa University, Mangalore	9.30 – 11.30 AM
11.03.2022	Fuzzy set Theory	St. Joseph University, Nagaland	2.00 – 4.00 PM
28.03.2022 – 01.04.2022	Fuzzy inventory models with Machine Learning	KG College of arts and Science, Coimbatore	10.00 – 12.00 PM
27.04.2022	Mathematics and its real life Applications : Modelling, Engineering and Social Sciences	Ururu Dhanalakshmi College, Trichy	11.00 – 1.00 PM
27.10.2022	Entrepreneurial Thinking and Scientific Knowledge on Students	Aiman College of Arts and science for Women, Trichy	1.00 – 2.30 PM
04.11.2022	Network Models in Operations Research	Patrician College of Arts and Science, Chennai	10.00 – 12.00 PM

28.12.2022 – 3.1.2023	Research : Analysis Tools and Techniques	Theivanai Ammal College for Women(A), Villupuram	2.00 – 4.00 PM
31.01.2023	International Conference on Research Trends in Contemporary Mathematics ICRTCM – 2023	Patrician College of Arts and Science, Chennai & Sacred Heart College, Tirupattur	10.00 – 12.00 PM
12.03.2023 – 16.06.2023	5-Day National Workshop on “Applied Mathematics and Computing”	Madhav Institute of Technology and Science, Gwalior.	4.00 – 6.00 PM
24.01.2024	Applications of Mathematics	Bon Secours Arts and Science College for Women	2.00 – 4.00 PM
03.03.2024	One Day National Level Seminar on Fuzzy Mathematics	Yashwantrao Chavan Arts, Commerce and Science College, Abajogai	10 – 12 AM
26.03.2024	Seven Days International Faculty Development Program on Applied Mathematics in Engineering And Technology	SRM TRP Engineering college, Tiruchirapalli.	11 – 1 PM
01.08.2024	Innovative approach of machine learning in mathematics	Research and Innovation council, Srinivas University.	1 – 3 PM
25.01.2025	Applications of Machine Learning in Mathematics	A.D.M. college for Women (Autonomous)	10 – 12 PM

19. Administrative Positions held in the College:

Nature of Position	Year
NIRF Nodal Officer	2021 – 2024
ISO Auditor	2020 – 2024
EDC Coordinator	2020 -2024
IIC Ambassador	2020 -2024
Research Committee Secretary	2020 -2022
NAAC Criterion III Incharge	2020 – 2024

20. Details of In charge / Participation in Extracurricular Activities :

(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of In charge
Staff Cultural In charge	2017-18

21. Details of Participation in Consultancy, Training, Development etc.:

1. Consultancy- Microsoft - Certified Microsoft Innovative Educator
2. Consultancy- Microsoft - Getting started with one Note

22. Details of Membership in Academic Bodies/ Board of Studies: Nil

23. Details of Membership of Professional Bodies: 1. IJMSEA – Life time member

2. IJMRAE – Life time member

3. ISTE – Life time Member

4. Bharat Ganita Parisad – Life time Member

5. International Association of Engineers –
time Member

24. Countries visited academically: Nil

25. Any other information if any:

- Passed SET(State level Eligibility Test) in the year 2017
- E-Content - Topic - Fuzzy set, Definition of Group, Definition of Permutation Group
- Internship Viva-Voce External Examiner – Holy Cross College –Trichy – 21-02-2019
- Translated Three NPTEL Courses
 1. Rings and fields
 2. Transforms calculus and its applications in Differential Equations
 3. Differential Equations for Engineers
- Patent for “A Novel Brick Composition Comprising Low Density Polyethylene (LDPE) and Manufactured - Sand (M-Sand)”
- Patent for “Blended Teaching and learning management platform for primary school children during epidemic period”
- Patent for “Graphic Partitioning approach by Sequencing Small Graphs”
- Patent for “Sand-Water Separation for irrigation”
- Patent for “Solar and wind hybrid energy generation apparatus”
- Patent for “Fuzzy Logic Inventory Control System With Predictive Modelling For Covid Vaccine Pharmaceutical Distribution in Hospital Supply Chain Management-Machine Learning Model Approach”
- Patent for “ AI Based street light controller”
- Guided Eleven M.Phil (Mathematics) students in Mother Teresa University, Kodaikanal,(Part time).
- Guiding Four Ph.D scholars (Mathematics) in Bharathidasan university.
- Coguiding three PH.D scholars (Mathematics) in Bharathidasan university
- Appointed as an External examiner for M.Phil. (Mathematics) in Bharathidasan University
- Completed Microsoft Certificate of Recognition for ‘Getting Started with One Note’.
- Awarded from Microsoft Certificate of Recognition as ‘Certified Microsoft Innovative Educator”
- Appointed as an External examiner for B.Sc.,(Mathematics) Viva-voce in Holy Cross College (Autonomous), Trichy.
- Question paper setter from Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501.

- Question paper setter from Jamal Mohamed College (Autonomous), Trichy - 620020.
- Question paper Scrutiny board in Thiruvalluvar University, Vellore
- Guided Nineteen M.Sc., (Mathematics) students in Bharathidasan University.
- Acted as Reviewer for the paper entitled “A study of the particle swarm optimization convergence of special issue”
- Committee Member of Guinness world record for the book “Thickest book in the world”
- Acted as a Reviewer for the paper entitled “Lung sound classification using wavelet Transform and entropy to detect lung disease”
- Acted as a Reviewer for the paper entitled “Interval -valued intuitionistic soft fuzzy graph”
- Acted as a Reviewer for five papers in Neutrosophic Sets and Systems
- Acted as a Reviewer for the paper entitled “Isomorphic Properties of Neighborly Irregular Cubic Graphs”
- Acted as Reviewer in Advancing Research for innovations, Sustainability and Enhancement
- Acted as Reviewer in Journal of Sustainability and Environmental Management
- Acted as a mentor for “Essential Mathematics for Machine Learning”
- Acted as a Mentor for SWAYAM NPTEL Course “Data Science for Engineers
- Acted as a Mentor for SWAYAM NPTEL Course “Applied Linear Algebra in AI and ML”
- Acted as a mentor for SWAYAM NPTEL course “Machine Learning for Earth System Science”
- Acted as a mentor for SWAYAM NPTEL course “Data Analysis for Biologists”
- Acted as a mentor for SWAYAM NPTEL course “Design Technology and innovation”
- Acted as a mentor for SWAYAM NPTEL course “Introduction to Machine Learning - IITKGP”
- Acted as a mentor for SWAYAM NPTEL course “Applied Linear Algebra in AI and ML ”
- Acted as a mentor for SWAYAM NPTEL course “Introduction to R Software”
- Acted as a mentor for SWAYAM NPTEL course “Python for Data Science”
- Acted as a mentor for SWAYAM “Descriptive statistics with R software”
- Acted as a mentor for SWAYAM “Introduction to Biostatistics”
- Peer reviewing of research papers for Global Multi-track Conference SEMA 2022
- Acted as a Reviewer in Journal of Supercomputing for the paper “A Modified Fuzzy Similarity Measure for Trapezoidal Fuzzy Number with their Applications”
- Acted as a Mentor for SWAYAM NPTEL Course “ Data Science for Engineers”
- Acted as a Mentor for SWAYAM NPTEL Course “ Applied Linear Algebra in AI and ML”
- External Examiner for PhD Viva-voce Examination in Dr. Babasaheb Ambedkar Marathwada University
- Appointed as a reviewer Journal of Applied Math from November 2023 - 2024
- Certificate of Excellence in Reviewing “Asian Journal of Research in Computer Science
- Certificate of Excellence in Reviewing the manuscript “International Journal of Plant & Soil Science”
- Certificate of Excellence in Reviewing the manuscript “Asian Journal of Probability and Statistics”

- South Zone Pre-Republic Day Parade 2023 – Academic Session
- Reviewer in communication in nonlinear analysis
- Acted as a Reviewer in 5th IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT 2024) organized by Galgotias University, Greater Noida, Uttar Pradesh on 9th and 10th February 2024
- Certificate of Excellence in Reviewing “Journal of Engineering Research And Reports”
- Certificate of Excellence in Reviewing “Asian Research Journal of Mathematics”
- Certificate of Excellence in Reviewing “International Journal of Plant & Soil Science”
- Certificate of Excellence in Reviewing “Journal of Advances in Biology and Biotechnology”
- Certificate of Excellence in Reviewing “Asian Journal of Research in Computer Science”
- Certificate of Excellence in Reviewing “Journal of Agriculture and Ecology Research International”
- Certificate of Excellence in Reviewing “Journal of Agriculture and Ecology Research International”
- Certificate of Excellence in Reviewing “BP International”
- Awarded as “NPTEL Motivator Learner” by SWAYAM
- Awarded as “NPTEL Discipline Star”
- Awarded as “NPTEL BELIVER AWARD”
- Awarded as “NPTEL EVANGELIST AWARD”
- Awarded as “NPTEL MOTIVATED LEARNER”
- Awarded as “Top Performing Mentor”
- Young Women Mathematician, Rathinam college of Arts and Science and INFINITY
- Women Researcher Award, VDGGOOD Technology Factory
- Best Researcher Award, Cauvery College for Women (Autonomous), Trich
- Appointed as a QC Translator in SWAYAM
- Acted as JUDGE in AMRITA VIDYALAYAM, Trichy
- Appointed as a member of Board of Examiner for PhD, Bharathiyar University, Coimbatore
- Appointed as a member of Board of Examiner for PhD, Prist University, Coimbatore
- Number of National, International and State Webinars Attended 222
- Number of Faculty Development Programme Attended 174
- Number of Workshops and Training Programme Attended 110