

STAFF PROFILE

- 1) Name : Dr. A. Sahaya Sudha
- 2) Designation : Associate Professor
- 3) Department : Mathematics
- 4) Qualification : M.Sc., M.Phil. B.Ed., PGDCA., Ph.D.
- 5) Experience : Teaching: 27 Research: 17
- 6) Area of Specialization (s) : Operations Research
- 7) E-mail : sudhacbenirmala@gmail.com
- 8) Academic Qualifications:

S. No	COURSE	YEAR OF COMPLETION	UNIVERSITY / INSTITUTION
1	B.Sc.	1992	Madurai Kamaraj University
2	M.Sc.	1994	Manonmaniam Sundarnar University
3	B.Ed.	1995	Manonmaniam Sundarnar University
4	M.Phil.	2001	Madurai Kamaraj University
5	Ph.D.	2015	Bharathiar University

- 9) Additional Qualifications:

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
PGDCA	Computer Applications	Bharathiar University	2002

- 10) Grants Received

Event Title	Agency	Amount	Date
International conference ICCBM-2012 held at SINGAPORE.	UGC	71,355	21.08.2012

11) Projects -Completed

Project Title	Agency	Amount	Duration
Mathematical Application for Water Management studies for Agricultural Crop Cultivation	UGC	5,00,000	2years (2017-2019)

12) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	6	4
M. Phil.	17	-

13)Research Publications: International Publication in Journals: (June 2015 -16 Onwards)

Sl. No	Year of publication	Name of the author/s	Title of the paper	Name of journal	Vol, Issue, Pg. No	ISSN/ ISBN number	INDEX
1	2015	SahayaSudha A &Anitha.N	Solving an interval fuzzy linear programming problem using Alpha-cut Operation	International Journalof Computer Applications	112(10), pg:14-16	0975 - 8887	Cross reference
2	2015	Sahaya Sudha A & kanni ammal	Solving Multi objective Fully Fuzzy Linear Programming Problem Using RankingFunction	International Journal of advanced and Innovative Research	4(2) Pg:86-89	2278-7844	Google scholar
3	2015	SahayaSudha A& Rachel Inba Jeba.J	Crop selection based on fuzzy TOPSIS using Entropy Weights	International Journal of Computer Applications	124(14),Pg:16-20	0975 - 8887	Cross reference
4	2015	SahayaSudha A& Rachel Inba Jeba.J	An Agricultural Economic Problem using Intuitionistic Fuzzy	International Journal ofmultidisciplinary and Current Research	Vol3, pg:900- 903	2321-3124	Google scholar
5	2015	Karthika. R SahayaSudha A	Estimation of Drug Administered by Fuzzy CETD Matrix to a Patient for a Bacterial Disease	International Journal of Computer Applications	130(2) pg:30-33	0975 - 8887	Google Scholar
6	2016	SahayaSudha A & Rachel Inba Jeba.J	An Intuitionistic Fuzzy Approach for Solving Generalized Trapezoidal Travelling Salesman Problem	International Journal of Mathematics Trends and Technology	29(1)	2231-5373	UGC
7	2016	SahayaSudha A & Revathi	Solving FLPP with Symmetric Trapezoidal fuzzy Numbers	International Journal of Informative & Futuristic Research	3 (10), pg:3753-3762	2347-1697	Copernicus
8	2016	SahayaSudha A &. Vijayalakshmi K. R	Fuzzy Transportation Problem Using Symmetric Hexagonal Fuzzy Numbers	IOSR Journal of Mathematics	pg:76-81	2278-5728	Cross Reference

9	2016	SahayaSudha A & Revathi .M	A New Ranking on Hexagonal Fuzzy Numbers	International Journal of Fuzzy Logic Systems	6(4), pg:1-7	1839-6283	Google Scholar
10	2016	Pushpalatha.E & SahayaSudha. A	Identification of Age Groups Vulnerable to Asthma Disease using CETD Matrix	International Journal of Advanced Research in Computer Science and Software Engineering	6(10), pg:13-17	2277-6451	Copernicus
11	2016	SahayaSudha A & Vijayalakshmi K.R.,”	A Modern Approach in Ranking Of Symmetric Hexagonal Fuzzy Number	Aryabhata journal of Mathematics and Informatics	8(2), /pg:42-49	2394-9309	Research Gate
12	2016	SahayaSudha A & Revathi .M	Optimal Solution of Hexagonal Fuzzy Transportation Problem Using New Ranking Method	Aryabhata journal of Mathematics and Informatics	8(2)/pg:50-55	2394-9309	Research Gate
13	2017	SahayaSudha A & . Vijayalakshmi	An Alpha -Cut Operation in a Transportation Problem Using Symmetric Hexagonal Fuzzy Numbers	International Journal of Fuzzy Logic Systems (IJFLS)	Vol.7, No.1 pg:31-48	1839-6283	web of science
14	2017	SahayaSudha A & Karunambigai	Solving a Transportation Problem using a Heptagonal Fuzzy Number	International Journal of Advanced Research in Science, Engineering and Technology	Vol. 4 pg:3118-3125	2350-0328	Google Scholar
15	2017	SahayaSudha A &Gokilamani.R	An Arithmetic Operation On Hexadecagonal Fuzzy Number	International Journal of Fuzzy Logic Systems (IJFLS)	Vol.7, No.1 pg:19-29	1839 -6283	web of science
16	2017	SahayaSudha A ,Sathya.S &Vimalavirginmary	Solving a Multi Objective Linear Programming Problem Using Pentagonal Fuzzy Numbers	International Journal of Mathematics Trends and Technology (IJMTT)	Volume 41 Number 3 pg:279-282	2231-5373	UGC
17	2017	SahayaSudha A & Chinthiya	A Transportation Problem Analysed by a New Ranking Method	International Journal of Innovative Research in Science & Engineering	Volume 5(1) pg:9-16	2347-3207	Google Scholar
18	2017	SahayaSudha A & Vijayalakshmi	A Value and Ambiguity-Based Ranking of Symmetric hexagonal Intuitionistic Fuzzy Numbers in Decision Making	Advances in Fuzzy Mathematics.	Volume 12, Number 4 pg:867-879	0974-0201	Google Scholar
19	2017	SahayaSudha A, Vimalavirginmary, & Sathya.S,”	A Novel Approach for Solving Fuzzy Linear programming problem using Pentagonal Fuzzy numbers	International Journal of Advanced Research in Education & Technology	Vol. 4, Issue 1 pg:42-45	2394-2975	Cosmos
20	2017	Sahayasudha A & Revathi	Arithmetic Operations on Intuitionistic Hexagonal Fuzzy Numbers Using α Cut	International Journal on Recent and Innovation Trends in Computing and Communication	Volume: 5 Issue: 6 pg:696-704	2321-8169	ResearchGate

21	2017	SahayaSudha A & Anita. S	Applying Topsis Method for Evaluating the Water Requirement of Agricultural Crops	International Journal on Future Revolution in Computer Science & Communication Engineering	Volume: 3 Issue: 8 pg:197 – 202	2454-4248	Google Scholar
22	2018	Sahaya Sudha. A & Vijayalakshmi K. R	Arithmetic Operations of Hexagonal Intuitionistic Fuzzy Number Using Extension Principle	International Journal of Mathematics And its applications	6(2-A)/pg:219-225	2347-1557	Scribd
23	2017	Sahayasudha A &. Revathi	Analyzing MOIFLPP Using Heptagonal Intuitionistic Fuzzy Number	International Journal Of Creative Research Thoughts (IJCRT)	Volume 5, Issue 3	2320-2882	Google Scholar
24	2018	Karthika. R & Sahayasudha A	A Decision-Making Problem on FAHP with Z-Numbers	International journal of Mathematics Trends and Technology (IJMTT)	Volume 57 Issue 4	2231 – 5373	Cross Ref
25	2018	Sahayasudha A & Revathi	Multi-Objective Stochastic Intuitionistic Fuzzy Linear Programming Problem	International Journal of Mathematics and Computer Applications Research (IJMCAR)	Vol. 8, Issue 3	2249-6955	SCOPUS Indexed, UGC CARE Listed & WOS
26	2018	Sahayasudha A & Ruby.V	Assessment of Air Quality in Coimbatore City using TOPSIS Method	International Journal of Advanced Research in Science, Engineering and Technology	Vol. 5, Issue 8	2350-0328	Google Scholar
27	2018	Sahayasudha A & Ruby.V	Analysis of Major Air Pollutant Of an Industrial area in Coimbatore City Using Fuzzy Topsis	International Journal of Research in Humanities, Arts and Literature	Vol. 6, Issue 9 pg:279-285	2347-4564	Google Scholar
28	2018	Revathi & Sahayasudha	A Linear Programming Problem Using Fuzzy Z Numbers to Find Optimality Under Uncertainty In Vegetable Cropping	International Journal of Pure and Applied Mathematics	Volume 119 pg:3293-3300	1314-3395	Google Scholar
29	2018	Revathi & Sahayasudha	A Solving linear programming problem by means of fuzzy Z numbers	International Conference on Applied and Computational Mathematics IOP Conf. Series: Journal of Physics	Conf. Series 1139		Scopus Indexed
30	2018	Sahayasudha A &. Vijayalakshmi K. R	A Multi-Attribute Decision Making Problem in A Single Valued Neutrosophic Method	International Review of Fuzzy Mathematics	Volume 13, No. 2	0973-4392	UGC
31	2019	Karthika. R & Sahayasudha A	Fuzzy Decision-Making applying Z numbers with AHP & BWM	International Journal of Research in Advent Technology (IJRAT)	pg:106-109	2321-9637	Web of Science

32	2019	Revathy.M & Sahayasudha A	An interval valued linear programming problem with trapezoidal z fuzzy number	Indian journal of research	Volume-8 Issue-1 pg:43-45	2250-1991	Google Scholar
33	2019	S. Roseline Priya & A. Sahaya Sudha	Solving a Fuzzy Transportation Problem by Stepping Stone Method	International Journal for Research in Applied Science & Engineering Technology	Volume 7	2321-9653	Google Scholar
34	2019	Sahayasudha A &. Vijayalakshmi K. R	Multi Attribute Decision-Making Method Using Value and Ambiguity in Single Valued Hexagonal	International Journal of Scientific Research in Mathematical and Statistical Sciences	Vol.6, Issue.3 pg:84-90	2348-4519	Cross Ref
35	2019	R. Karthika & A. Sahaya Sudha	A New Operation on Sinusoidal Fuzzy Number	International Journal of Scientific Research in Mathematical and Statistical Sciences	Vol.6, Issue.4, pg:104-107	2348-4519	Cross Ref
36	2019	Sagayakavitha.D &Sahaya Sudha. A	A comparative study on production planning using FFLPP and FFGLP	International Journal of Research and analytical Reviews	Volume-6(2), Pg.: 339-345	2348 – 1269	Google Scholar
37	2019	Sahaya Sudha. A	Application of EDAS Method on Water Requirement in Agriculture	International Journal of Engineering Research & Technology	Vol. 8 Issue 12 pg:558-561	2278-0181	SCOPUS & Web of Science (WoS)
38	2020	Lincy Marshaleena.L & Sahaya Sudha. A	A tetra sectional approach in an interval valued linear programming problem	Infokara Research	Volume 9 Issue 1 pg:306-313	1021-9056	UGC
39	2020	Sahaya Sudha. A & Agnes Jenifa. A	Solving a soft set in linear programming	Journal of Information and Computational Science	Volume 10 Issue 2 pg:1303-1310	1548-7741	UGC
40	2020	Sahaya Sudha. A &Bridjet .X	A new approach for solving symmetric pentagonal intuitionistic fuzzy transportation problem by ranking	Journal of Information and Computational Science	Volume 10 Issue 2 pg:1341-1357	1548-7741	UGC
41	2020	Sagayakavitha.D& Sahaya Sudha. A	New Approach to Solve Symmetric Triangular Neutrosophic c Linear Programming Problem By Score Function	Journal of Information and Computational Science	Volume 10 Issue 3 pg:908-915.	1548-7741	UGC
42	2020	Sahayasudha A &. Vijayalakshmi K.R	Grey-Correlation for Generalized Hexagonal Intuitionistic Fuzzy Numbers	The International journal of analytical and experimental modal analysis	Volume XII, Issue III pg:2058-2065	0886-9367	UGC
43	2020	Sahayasudha A	Identifying the Economic Viability of a Crop Using Stochastic Edas	Paripex - Indian Journal of Research	Volume-9 Issue-4	2250 - 1991	UGC
44	2020	Sahayasudha A &. Vijayalakshmi K.R	Interval Valued Neutrosophic Numbers Using Entropy	Infokara Research	Volume 9, Issue 4	1021-9056	UGC
45	2020	Sahayasudha A &. Vijayalakshmi K.R	Assessment of MCDM problems by TODIM using aggregated weights	Neutrosophic Sets and Systems	Vol. 35 pg:78-98	2331-608X	SCOPUS

46	2020	Sahayasudha A	An Application of Neutrosophic Linear Programming Problem in an Agricultural Environment	Strad Research	VOLUME 7, ISSUE 8 pg:303-312	0039-2049	WEB OF SCIENCE
47	2020	Revathy.M & Sahayasudha A	Solving LPP with stochastic Neutrosophic Pythagorean Z numbers	AIP Conference Proceedings 2261	2261, 030088	03008-1-03008-14	SCOPUS
48	2020	A. Sahaya Sudha, G. Supriya	A New Approach for Solving Type-4 Fuzzy Transportation Problem	The International journal of analytical and experimental modal analysis	Volume XIII, Issue II, 1487-1494	0886-9367	UGC
49	2020	A. Sahaya Sudha, S. Iswariya	A New Ranking Approach For An Assignment Problem	Journal of Interdisciplinary Cycle Research	Volume XIII, Issue II, 2630-2637	0022-1945	UGC
50	2021	Gokilamani.R Sahaya Sudha. A	Double Refined Indeterminate Trapezoidal Neutrosophic Numbers in LPP	Strad Research	VOLUME 8, ISSUE 6 pg:361-370	0039-2049	WEB OF SCIENCE
51	2021	Karthika. R & Sahaya Sudha A	Ranking Of Sinusoidal Fuzzy Number And Its Application In Signals	Strad Research	VOLUME 8, ISSUE 6 pg:533-538	0039-2049	WEB OF SCIENCE
52	2021	Karthika. R & Sahaya Sudha	A Sinusoidal Fuzzy Soft Set and its Application in Mcdm BITMET 2020	IOP Conf. Series: Journal of Physics: Conf. Series	Pg1-11	1947 (2021) 012050	SCOPUS
53	2021	Sahaya Sudha. A, Amala Kaavya .C, Agnes Jenifa.A.	Multi-Criteria Decision Making for selection of Smart Phones (2021),	Strad Research	Volume 8, Issue 11, 160-167.	:0039-2049	WEB OF SCIENCE
54	2021	Karthika .R, Sahaya Sudha .A	Ranking of Sinusoidal Fuzzy Number and its application in Signals,	Strad Research,	Volume 8, issue 6 ,533-538.	0039-2049	WEB OF SCIENCE
55	2021	Sahaya Sudha.A, Preena. R	An Approach to Linear Programming Problem in Tea Industry”,	International Journal of All Research Education and Scientific Methods	Volume 9, Issue 12, 2649-2655.	2455-6211	UGC
56	2022	Sahaya Sudha.A, Karen Felicita. C	Implementation of Travelling Salesman Problem in Genetic Algorithm “ , ,	International Journal of All Research Education and Scientific Methods (IJARESM),	Volume 10, Issue 1, 816-822	2455-6211	UGC
57	2023	Keerthana ,A. Sahaya Sudha	Diet Recommendation For Cardiovascular Disease Patients Using Fuzzy Linear Programming Problem	International Journal of Innovative Research in Science ,Engineering & Technology	12(3), 2, 2083-2088	2347-3207	UGC
58	2023	Joy Sowmiya A Sahaya Sudha A	Comparison of Modified ASM and Zero Suffix Method on A Fuzzy Transportation Problem	International Journal of Innovative Research in Science ,Engineering & Technology	12(3), 2100-2103	2347-3207	UGC
59	2023	A. Estherjuliet , A. Sahaya Sudha	An Application of Trapezoidal Bipolar Intuitionistic Fuzzy Soft Sets in A Decision-Making Problem	International Journal of Innovative Research in Science ,Engineering & Technology	,12(3), 2077-2082	2347-3207	UGC
60	2023	Sneha Josy, Sahaya Sudha	AN EOQ MODEL WITH FINITE PRODUCTION RATE WITHOUT SHORTAGE ON PERISHABLES	International Journal of Research and Analytical reviews	10(1), 711-717	2348-1269	UGC

61	2023	M C Rahinipriya , .A.Sahaya Sudha	Applying AHP In Anlysis Of Power Generation Of Windmills In Different Seasons	Indian Journal of Natural Sciences	Vol.14 / Issue 77 , 55651- 55657	0976- 0997	Web of Science
62	2023	M C Rahinipriya , .A.Sahaya Sudha	Analysis Of Agricultural Plants In The Windmill Region And Other Regions Using Vikora Method	The International journal of analytical and experimental modal analysis	Volume XV, Issue III,650- 660	0886- 9367	UGC
63	2023	M C Rahinipriya , .A.Sahaya Sudha	"Selection Of A Site For Installation Of A Windmill Using MCDM"	Journal of Emerging Technologies and Innovative Research	Volume 10, Issue 5, 548-558	2349- 5162	UGC
64	2023	Gokilamani.R,A.Sa haya Sudha	Deblurring of Images using Interval Valued Neutrosophic Numbers	Indian Journal of Natural Sciences	Vol.14 / Issue 77 , 55553- 55558	0976- 0997	Web of Science
65	2023	Amalakavya.c,Saha yasudha,A	A Study Of Mcdm Model Under A Quad Fuzzy Set Environment	European chemical bulletin	12 ,S(2), 2353- 2370	2063- 5346	SCOPUS
66	2023	Agnes Jenifa .a,Sahaya Sudha .A	Analyzing a Cryptosystem in a Parikh Soft Matrix	International Journal of Statistics and Reliability Engineering	Vol. 10(1), 128-138	2456- 2378	UGC CARE
67	2023	Agnes Jenifa .a,Sahaya Sudha .A	A Critical Study on Neutrosophic Fuzzy Soft Matrix	Indian Journal of Natural Sciences	Vol.14 / Issue 77 , 55645- 55650	0976- 0997	Web of Science
68	2023	Gokilamani.R,A.Sa haya Sudha	Decision making using Gaussian Double Refined Indeterminate Neutrosophic Number	European chemical bulletin	Vol. 12,(Special Issue 6, 4807– 4822.	2063- 5346	SCOPUS
69	2023	Gokilamani.R,A.Sa haya Sudha	An Application of Advanced Neutrosophic Numbers for Lung Disease Detection”,	Journal of Harbin Engineering University	Vol.44, No.7, 1970 -1992	1006- 7043	SCOPUS
70	2023	Gokilamani.R,A.Sa haya Sudha	Denoising using Double Refined Indeterminate Triangular Neutrosophic Number”,	Journal of the Asiatic Society of Mumbai,	Vol. XCVI, No.27, 83-88	0972- 0766.	UGCCARE
71	2023	Amalakavya.c,Saha yaSudha,A	Correlation Coefficient in Interval Valued Ferma tean Picture Fuzzy Sets for crop- based ethanol Production,	Journal of Propulsion Technology,	Vol44, Issue. 3, 4887-4895	1001- 4055	SCOPUS
72	2023	Amalakavya.c,Saha yaSudha,A	A Study on Multicriteria Decision Making Approach based on Crop Diseases of63292-63299,	Indian Journal of Natural Sciences	vol14,issue80, 63292-63299,	0976- 0997	Web of Science
73	2023	Agnes Jenifa .a,Sahaya Sudha .A	Analysis on Fuzzy Operations using Neutrosophic fuzzy generator,	Organization development journal,	Volume 11 issue 7, 121- 137	088 964 02	SCOPUS
74	2023	Amali Theresa S, Sahaya Sudha A	A Comparison Study Between BATOS AND TOPSIS Method To Find The Optimal Solution In Decision Making.	ADALYA JOURNAL	12,Issue 7,62- 73	1301- 2746	UGCCARE Group II
75	2023	Amali Theresa S, Sahaya Sudha A	A methodology Applied for selecting the best hot chocolate beverage using BATOS	YMER	22, 55-64	1044- 0477.	SCOPUS
76	2023	Iswariya S & Sahaya Sudha A	Fuzzy Proposed MCDM Method to Analyze the Risk Factors in Breast Cancer	International Journal of Natural Sciences	14, 64162- 64171	0976- 0997	Web of Science

77	2023	Amali Theresa S & Sahaya Sudha A	Optimal Transportation Strategy Using Decision Making	International Journal of Natural Science	14, 63167-63175	0976-0997	Web of Science
78	2023	Karen Felicita C and Dr. Sahaya Sudha A	A Study on Infusion of Genetic Algebra and its Constituents	International Journal of Natural Science	14, 63274-63277	0976-0997	Web of Science
79	2024	Cathrine Leema F , . Sahaya Sudha. A	Analysis of MOFTP using Modern Zero Suffix Method	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	12, Issue II, 789-795	ISSN 2321-9653	Google Scholar

14)Other Publications:

International

1. Sahaya Sudha. A & Raja Rajeswari. P,” Multi objective Fuzzy optimization Techniques in production Planning process, Proceedings of the Heber International Conference on applications of mathematics and statistics HICAMS (2012), 5-7, January at Bishop Heber College, Tiruchirappalli.
- 2.Sahaya Sudha. A & Raja Rajeswari. P,” AHP Combined with Fuzzy Topsis for Evaluating a Best Alternative, International Journal of Computer Applications (ICICIC) proceedings on 2013/number 2250-1717/11294-13537
- 3.Sahaya Sudha. A , A Mathematical Algorithm on Water Requirements for Agricultural Crops at the International Conference on Emerging Trends in Science and Social Science, Malaysia. On 03&04.05.2019.
- 4.Iswariya S & Sahaya Sudha A” Evaluating the Role of Artificial Intelligence Technologies under Hesitant Fuzzy Environment”, nternational Conference on Mathematical Modeling and Intelligent Systems Organized by PG & Research Department of Mathematics, Computer Science and Applications on 19-03-2024
- 5.Iswariya S & Sahaya Sudha A “A New Methodology To Find The Optimal Solution In Transportation And Applying MCDM In LPP” IEEE International Conference on Multidisciplinary Research in Technology and Management, Organized by New Research and Innovation Societyon 29-12-2023 to 31-12-2023.
- 6.Iswariya S & Sahaya Sudha A Fuzzy Proposed MCDM Method To Analyze The Risk Factors In Breast Cancer, International Conference on Blooming Fuzzifier Logic (ICBFL - 2023) Organized by PG & Research Department of Mathematics, Chikkanna Government Arts College, Tirupur on 23 & 24 August, 2023

National

- 1.Sahaya Sudha. A & Raja Rajeswari. P,” Perception of Consumers on Brand and Decision Making, National Conference Proceedings on Brand India –Achievements and challenges, Nirmala College for Women, Coimbatore on 04.10.2012.
- 2.Sahaya Sudha. A & Raja Rajeswari. P,” Fuzzy ANP Approach on Centroid Ranking and its Application on Brand Perception”, National Conference proceedings, Baselios PoulouseII Catheolicos College, Pirvaom, Kerala. (2012)
- 3.Sahaya Sudha. A & Karthika. R, Medical Diagnosis of Bacterial fever with Viral fever using AHP, National Conference Proceedings, NARC (2013).

4.Sahaya Sudha. A & Thenmozhi Conservation of Energy on Using Bulbs through Analytic Hierarchy Process, National Conference Proceedings, NARC (2014).

5.Sahaya Sudha. A Collision Prevention Using Fuzzy Logic Controller, National Conference Proceedings, NARC (2014)

15)Participation in Conference

1.National Conference on Brand India, Nirmala College for Women, Coimbatore on 4.10.12

2.Heber International conference on Applications of Mathematics and Statistics (Aicams- 2012) Bishop Heber College, Tiruchirappalli from 5.01.12 -7.01.12

3.International Conference on Computer and Business management (ICCBM2012), IACSIT, Nichuan University, Guizhou University, Quality Hotel Marlow, Singapore from 9.06.12-10.06.12

4.International Conference on Innovations in Communication, sponsored by Information and Computing Ministry of earth sciences, Govt of India, IEEE, ICTACT, Sasurie College of Engineering, Vijayamangalam from 9.01.13 -11.01.13

5.National conference on Fuzzy logic and its Applications to Computer Science& the Annual Conference of Kerala Mathematical Association sponsored by UGC at, Baselious PoulouseII Catholicos college, Piravom from 20.02.14 to 22.02.14

6.Participated in the International Conference on Emerging Trends in Science and Social Science Malaysia. from 03.05.2019&04.05.2019.

7. Participate in the International Conference on Blooming Fuzzifier Logic (ICBFL - 2023) sponsored by DST SERB and organized by PG & Research Department of Mathematics, Chikkanna Government Arts College, Tirupur from 23.08.2023 to 24.08.2023.

16)Participation in Seminar

1.Regional Seminar on Optimization Techniques in Engineering Fields, Sri Shakti Institute of Engineering and Technology, Coimbatore on 7.12. 07

2.National Seminar on Advances in applied Mathematics, Dept. of Applied Mathematics, and Bharathiar University on 23.3.09

3.National Seminar on challenges Before Humanity, St. Mary's college Thoothukudi. on 1.10.09 and 2.10.09

4.State level seminar on Modern Trends in Mathematical Sciences , Dr.NGP Arts and Science College, Coimbatore on 05.03.10

5.National Seminar on Mathematical Computation, NSMC-2011 Education, sponsored by Tamilnadu State Council for Higher Education, Government Arts College, Coimbatore on 28.03.11

6. National Seminar on Challenges and Strategies in Human Rights Education sponsored by UGC Nirmala College for Women, Coimbatore on 25.08.11-26.08.11.

7.State Level Seminar on Advanced Trends in Mathematical Sciences at Dr.NGP Arts and Science College, Coimbatore on 17.02.12.

8.National Seminar on Financial Literacy- The present Trend and Future Challenges. Sponsored by

UGC at Nirmala College for Women, Coimbatore on 22.02.13 -23.02.13

9.National Seminar on Environmental awareness and modern literature, UGC, Nirmala College for women, Coimbatore on16.07.15 to -17.07.15

17)Participation in Workshop

1. National Workshop on Mathematical Modeling, - Dr.SNS Raja Lakshmi college of Arts & Science, on 14.03.08
2. Workshop on Matlab-A Tool for Research-D.J. Academy for Managerial Excellence, Othakkalmandapam, Coimbatore.on25.07.09
3. Workshop on Quality Management in Setting Question Papers and evaluation of answer scripts IQAC-PSGR Krishnammal College for Women, Coimbatore on 27.08.10.
4. Research Promotion Workshop on Introduction to Graph and Geometric Algorithms sponsored by National board of higher Mathematics and Council of Scientific and Industrial Research at, PSG College of Technology, Coimbatore from 06.01.11 to 08.01.11.
5. International workshop on” A search for Research “organized by Kalaivani College of Technology, Coimbatore on 12.01.12.
6. Workshop on Research challenges S G College of Technology, Coimbatore. On 9.02.13
7. Workshop on Outcome Based Education conducted by IQAC, Nirmala College for women on 24.03.18.
8. Attended an online workshop on Advanced Artificial Intelligence Tools for Educators organized by IGNITE Life Skill Academy and IQAC ,Sacred Heart College Thevara, Kochi
9. Attended one day Sensitization workshop Preincubation conducted by STARTUP TN, a Govt of Tamilnadu initiative on 6.8.2024 at Shree Sakthi Engineering College , Karamadai

18)Participation in Orientation Programme/ Induction Programme/ Short term Courses

1. Attended 28 days Orientation Programme. at Academic Staff College, Bharathiar University, Coimbatore from 15.05.09 to 11.06.2009
- 2.Attended 21 days. Refresher course at Academic Staff College, Madras University, Chennai from 11.11.2011 to 1.12.2012
- 3.Attended 7 days Orientation Training Programme at Avinashi lingam Institute for Home Science and Higher Education for Women university, Coimbatore from 13.12.2013 to 19.12.2013.
4. Attended 10 days South Zone Pre RD-Camp as a contingent leader from 01.10.2014 to10.10.2014 at Vidhya Academy of Science and Technology Trissur, Kerala.
5. Attended 21 days Refresher course at HRDC Bharathiar University, Coimbatore from 05.07.2017 to 25.07.2017.
- 6 Attended 14days.Refresher course at HRDC Bharathiar University, Coimbatore from 04.12.2019 to 17.12.2019.
7. Attended Training and awarded as Innovation Ambassador at MoE’s Innovation Cell &

AICTE.

8. Attended Two. Days I & E Exposure Cum Training Programme For Mentee institutions at PSG College of Arts & Science, Coimbatore Institution's Innovation Council Under Mentor-Mentee Programme of MoEs' IIC on 14.06.2022 to 15.06.2022

19) Participation in Faculty Development Programme

1. FDP on Scilab through MOOCS" from 29.04.2020-05.05.2020, organized by V.O. Chidambaram College, Thoothukudi.
2. FDP on "Moodle Learning Management System" conducted by Kaypeeyes College of Arts and Science, Nilgiris from 29.04.2020 - 01.05.2020
3. Seven days Faculty Development Programme on Inclusive Indian Traditions for a Holistic Global Education" organized by PSGR Krishnammal college for women in association with Shiksha Sanskriti Utthan Nyas (Tamilnadu Chapter) from 03-09, May, 2020.
4. FDP on Teaching, Learning and Evaluation through Google Classroom conducted by Sri G.V.G. Visalakshi College for Women (Autonomous) Udumalpet on 13.05.2020.
5. Four days FDP organized by KPR College of Arts Science and Research, Coimbatore. From 16.05.2020-22.05.2020.
6. Four days International Faculty Development Programme on "Role of Mathematics in Future IT and Industrial Trends organized by Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi from 29.06.2020 - 02.07.2020.
7. Seven days International Faculty Development Programme (FDP) on Redefining Teaching Learning with the Integration of ICT organized by the Internal Quality Assurance Cell (IQAC) of Holy Cross College (Autonomous), Nagercoil from 01.07.2020 to 08.07.2020.
8. 14 days, Faculty Development Programme on "Managing Online Classes and Co-Creating Moocs 3.0 organized by Teaching Learning Centre, Ramanujan College, and University of Delhi from 25.07.2020 to 10.08.2020 under the aegis of Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
9. Seven days Faculty development Programme on MATLAB and its applications conducted by Dr.N.G.P Institute of technology, Coimbatore from 07.06.21 to 12.06.21
10. Faculty Development Programme on 'Latest Trends on Computational Mathematics – Theory , methods & Applications' conducted by the Department of Mathematics, JIS University from 11.02.2024 to 01.03.2024.
11. Faculty Development Programme on Startup conducted by Institutions Innovation Council of Sacred Heart College, Tirupattur in collaboration with Association of Global Academicians and Researchers, Vishakhapatnam from 11.05.2024 to 17.05.2024

12.Faculty Development Programme on Scientific Software organized by the Department of Mathematics, School of Basic Sciences, The Assam Kaziranga University Jorhat, Assam from 12.07.2024 to 18.07.2024

20)Seminars/Conferences/Workshops/Symposiums Organised:

SL. No	Year with Date	Conference/Seminar/ Workshops/Symposium	Resource Persons
1.	07.08.2008	Workshop on MATLAB	Prof.Harish Pandia, Lecturer in Physics, Chikkanna College, Triupur
2.	27.02.2009	Workshop on Multimedia	Mr.Madhan Mohan, CEO, Atoms Systems, Natesh Complex, Gandhipuram, Coimbatore.
3.	02.12.2010 & 03.12.2010	Workshop on Operations Research and its applications	1.Dr.Udhayakumar, Associate Prof. in Mathematics, Gandhigram University. Dindigul 2.Dr.Anbuudhaya sankar, Dept. of Mechanical Engg. Amirtha Institute, Ettimadai 3.Dr.Arumuganathan, Reader in Mathematics, PSG Tech, Coimbatore. 4. Mr.Madhan Mohan, CEO, Atoms Systems, Natesh Complex, Gandhipuram, Coimbatore.
4.	28.07.2017	Guest Lecture on Partial Differential Equations	1.Dr.M.Suthanthira, Assistant Professor, Department of Mathematics, Bharathiayar University, Coimbatore . 2. Ms.Mabel Lizzy, Ph.D Scholar, Department of Mathematics, Bharathiayar University, Coimbatore
5.	22.02.2018	Session on Women Empowerment	Mrs.Arockia Roselin Rhythm Social Service Society , Coimbatore.
6.	15. 06. 2019	Faculty Development Programme on Google Docs, Online Book Publishing, KAHOOT apps.	Dr.G. Satyavathy, Associate Professor of Computer Science,Sri Ramakrishna College of Arts and Science for Women, Coimbatore.
6.	26.05.2020 & 27.05.2020	A Two Day Online Workshop for CSIR - NET/SET Aspirants	Dr. K. Karuppiah, JRF Holder, Assistant Professor,Dept. of Mathematics Govt. Colleg of Engineering Bodinayakkanur, Tamil Nadu
7.	09.07.2021	One Day workshop on “Entrepreneurship traits”	Dr. P. Karthikeyan, Associate Professor School of Management Studies Kongu Engineering College Perundurai.
8.	20.05. 2021	National seminar on	Mr.Ashok Kumar,

		“HumanValues”	Deputy General manager Astral LTD,Chennai
9.	16. 02 .2022	One Day Symposium On Operations Research Organized By The Department Of Mathematics	1.Dr.M.SenthilKumar, Professor,Department of Applied Mathematics and Computational Sciences, PSG College of Technology. Coimbatore. 2. Dr. S. Jeyabharathi , AssociateProfessor, Department of Mathematics, Hindustan Institute of Technology, Coimbatore.
10.	25.04.2022	A Special Lecture on the topic Development issues across Life -Span”	Dr.H.Lourduraj , Assistant Professor ,Department of Religion ,Philosophy and Sociology, The American College ,Madurai,
11.	30.8.2023	Workshop on Latex	Dr. S. Monolisa, Assistant Professor, Department of Science and Humanities (Mathematics), Dr. Mahalingam College of Engineering & Technology, Pollachi
12	16.02.2024	Workshop on Latex	Dr. S. Monolisa, Assistant Professor, Department of Science and Humanities (Mathematics), Dr. Mahalingam College of Engineering & Technology, Pollachi

21) Academic Honors: invited Speaker/ Resource person/ Session Chair

- Tiruppur Kumaran College for women ,Tiruppur on September 8,2015
- PSGR Krishnammal College for women on March 9,.2016
- Dr.NGP College of Arts & Science, Coimbatore on January 23, 2016
- VLB Janakiammal college of Arts and Science, Kovaipudur, Coimbatore on 15.10.2018
- Kovai kalaimagal college of Arts and Science, Narasipuram, Coimbatore on 23.08.18
- Orientation Programme to Mathematics students at Hindustan college of rts and science, Coimbatore on 13.9.2021.
- Special lecture on Opportunities for students and faculties at Adhiyaman Arts and Science College for Women, Krishnagiri on 24.08.22
- Conducted an orientation session on IIC activities for the faculty of at Bishop Appasamy College of Arts & Science, Coimbatore on 26.08.22.
- Webinar on Innovation, Startup and Viability in Entrepreneurship at Vivekananda college of Arts& Science for women, Thiruchengode, on 31.08.2
- Resource person in the work shop on Entrepreneurship and innovation at PPG college of Arts&Science on 28.11.22
- Webinar on the topic Importance of O.R in contemporary life at SMS college of Arts and Science Perur, Coimbatore on 08.02.23
- Guest Lecture On the topic a perspective on O.R at Dr. SNS Rajalakshmi college of arts and Science, Perur, Coimbatore on 26.10.23

- Guest speaker on START-UP FOR ENTREPRENEUR at Adhiyaman Arts and Science College for Women, Krishnagiri on 27.03.24
- Resource Person in the Economics Department on the Topic an Insight into Angel Investment and VC funding for Business opportunities on 15.07.2024

Session Chair

- i) International Conference on Emerging Trends in Science and Social Science, May 3-4, 2019, Malaysia
- ii) DST-SERB sponsored International Conference on Blooming Fuzzifier Logic (1CBFL-2023), organized by Department of Mathematics, Chikkanna Government Arts College. Tirupur.

22) Other Academic Contributions: Board of studies/DC member/Examiner

i)Board of Studies

- Kovai Kalaimagal College of Arts & Science
- AJK College of Arts & Science

ii) Doctoral Committee Member

- Bharathiar University
- Chikkanna Government Arts College ,Tiruppur
- CBM College Coimbatore
- Government Arts &Science College,Coimbatore

iii) Examiner

- Chief Examiner- Central Valuation Bharathiar University
- Practical Examiner – Bharathiar University
- Practical Examiner- Bishop Ambrose College ,Coimbatore

iv) Question paper Scrutiny Board member – Dr.NGP College of Arts & Science

23) Editorial/ Review Board Member

- (i) Reviewer in IEEE, Transactions on Fuzzy systems (TFS)
- (ii) Reviewer in African Educational Research Journal (AERJ)
- (iii) Reviewer in Neutrosophic sets and systems (NSS)
- (iv) Reviewer in International Conference on Applied and Computational Mathematics (ICACM-2018) Organized by the department of Mathematics, Erode Arts and Science College.
- (v) Reviewer in the 3rd International Conference on Current Scenario in Pure and Applied Mathematics [ICCSPAM 2020] Organized by the Department of Mathematics Kongunadu Arts and Science College ,Coimbatore.

24) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
The Indian science congress association, Kolkata.	Life Membership	Since 2006
FATER Academy of India	Life member	Since 2015

25) Awards and Achievements:

Year	Name of the Award	Institution issuing the Award
2021	Dr. Sarvapalli Radhakrishnan, Best Faculty Award 2021 in Operations Research	Centre for Professional Advancement, Vijayawada, on Account of Teachers Day on 5.8.2021 by IMRF