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6. Teaching Experience as on 31-01-2015 : Undergraduate: 29 Years
Postgraduate : 23 Years
M.Phil : 12 Years

7. Educational Qualifications :

S.No.	Examination Passed	University / College	Year of Passing
1.	B.Sc Mathematics	St. Joseph's College, Trichy	1983
2.	M.Sc Mathematics	Annamalai University, Chidambaram	1985
3.	M.Phil Mathematics	Alagappa University, Karaikudi	1991
4.	M.S(Software Systems)	BITS, Pilani	1998
5.	Ph.D Mathematics	Alagappa University, Karaikudi	1999

8. Areas of Specialization : Fuzzy Mathematics

9. Languages Known : Tamil & English

10. Research Supervision :

PhD Degree - Awarded - 24 Submitted - 1 Pursuing - 8

S.No.	Name of the candidate	Title of the thesis	University where the work was carried out	Date of viva-voce Examination
1.	M.BASHEER AHAMED	Some Properties of Fuzzy Graphs	Jamal Mohamed College, Bharathidasan University, Trichy	28.12.2005
2.	D.STEPHEN DINAGAR	Contribution to the Study on Decision Making in Fuzzy Environment	Jamal Mohamed College, Bharathidasan University, Trichy	07.08.2006
3.	G.KALYANI	Some Properties of Fuzzy Matrices and Sequences of Fuzzy Matrices	Jamal Mohamed College, Bharathidasan University, Trichy	13.09.2006
4.	V.ANUSUYA	A Study on the Shortest Path Fuzzy Network	Jamal Mohamed College, Bharathidasan University, Trichy	22.08.2007
5.	K.ABDUL RAZAK	Contribution to the Study on Transportation Problem in Fuzzy Environment	Jamal Mohamed College, Bharathidasan University, Trichy	06.10.2007
6.	M.MARAGATHAM	A Study on Inventory Problems in Fuzzy Environment	Jamal Mohamed College, Bharathidasan University, Trichy	11.12.2008
7.	V.T.CHANDRASEKARAN	On Strong Arcs of Fuzzy Graph	Jamal Mohamed College, Bharathidasan University, Trichy	30.12.2008
8.	W.RITHA	An Analytical Study on Fuzzy Queues	Jamal Mohamed College, Mother Teresa Women's University, Kodaikanal	30.01.2009
9.	R.JAHIR HUSSAIN	A Study on Fuzzy Graphs	Jamal Mohamed College, Bharathidasan University, Trichy	21.10.2009
10.	A.EDWARD SAMUEL	Algorithmic approach to fuzzy transportation problems	Jamal Mohamed College, Bharathidasan University, Trichy	15.12.2009
11.	K.REVATHY	A Study on Equilibrium Analysis in Fuzzy Games	Jamal Mohamed College, Mother Teresa Women's University, Kodaikanal	02.07.2010

12.	K.RADHA	Some Contributions to Fuzzy Graph	Jamal Mohamed College, Bharathidasan University, Trichy	14.09.2010
13.	R.IRENE HEPZIBAH	An Algorithmic Approach to Fuzzy Linear and Linear Complementarity Problems	Jamal Mohamed College, Mother Teresa Women's University, Kodaikanal	03.02.2011
14.	V.ASHOK KUMAR	A parametric study on queues in fuzzy environment	Jamal Mohamed College, Bharathidasan University, Trichy	01.08.2011
15.	P.VADIVEL	A Study on Domination, Independent Domination and Irredundant in Fuzzy Graph	Jamal Mohamed College, Bharathidasan University, Trichy	15.12.2011
16.	J.MALARVIZHI	A Study on Isomorphism and Special Types of Fuzzy Graphs	Jamal Mohamed College, Bharathidasan University, Trichy	13.02.2012
17.	P.PALANIAMMAL	A Study on Fuzzy Production Inventory Problems	Jamal Mohamed College, Bharathidasan University, Trichy	01.03.2012
18	A.MUMTAJ BEGAM	A Study on Network in Fuzzy Environment	Jamal Mohamed College, Mother Teresa Women's University, Kodaikanal	05.07.2013
19	J.Umamaheswari	A Study on Fuzzy Detour Distance in Fuzzy Graphs	Jamal Mohamed College, Mother Teresa Women's University, Kodaikanal	06.12.2013
20	C.Arun Kumar	A Study on Linear Complementarity Problems in Fuzzy Environment	Jamal Mohamed College, Bharathidasan University, Trichy	17.01.2014
21	S.N.Mohamed Assarudeen	Solving Fuzzy Linear Programming Problem by Different Methods	Jamal Mohamed College, Bharathidasan University, Trichy	17.01.2014
22	S.Maheswari	A Study on the Impact of Transportation and Inspection cost in Fuzzy Inventory Models	Jamal Mohamed College, Bharathidasan University, Trichy	24.02.2014

23	G.Sabarinathan	A Study on Supply chain Fuzzy Inventory Problems	Jamal Mohamed College, Bharathidasan University, Trichy	28.04.2014
24	D.Rajalaxmi (A) Subahashini	Contributions to Fuzzy Labeling Graphs	Jamal Mohamed College, Bharathidasan University, Trichy	15.12.2014

M.Phil Degree – Awarded - 40 Pursuing – 5

11. Research Paper Publications (International & National Journal) :

1. On Generalizing Semi-Open sets and Proper sets, Pure and Applied Mathematika Sciences, Vol. XLIX, No. 1-2, March 1999.
2. On fuzzy m-Normed Matrices, Bulletin of Pure and Applied Sciences, 1-11, Vol. 22E (1), 2003.
3. Order and size in fuzzy Graph, Bulletin of Pure and Applied Sciences, 145-148, Vol. 22E (1), 2003.
4. Solving linear Programming with Piecewise Quadratic Fuzzy numbers, Bulletin of Pure and Applied Sciences,189-202,Vol. 22E(1),2003.
5. Pairwise preconnected spaces, Bulletin of Pure and Applied Sciences, 159-163, Vol. 22E (1), 2003.
6. Second $\Im_1\Im_2$ – Semi Open sets, Bulletin of Pure and Applied Sciences, 245-250, Vol. 22E (1), 2003.
7. An algorithmic approach to aggregate the opinions in terms of Fuzzy numbers for system selection, Bulletin of Pure and Applied Sciences, 265-283, Vol. 22E (2), 2003.
8. Binormed sequences in Fuzzy Matrices, Bulletin of Pure and Applied Sciences, 445-451, Vol. 22E (2), 2003.
9. Fuzzy Techniques and Business Decision Making, ACCST Research Journal, 22-28, Vol. II, No.1, January 2004.
10. Fuzzy matrix m-ordering, National Academy Science Letters, 129-132, Vol. 27, No 3 & 4, 2004.
11. On $\Im_1\Im_2$ – Semi Pre open sets and $\Im_1\Im_2$ – Quasi open sets, National Academy Science Letters, 279 – 283, Vol. 27, No. 7 & 8, 2004.
12. A Comparison between the Defuzzification methods of piecewise quadratic fuzzy numbers in LPP, 93-98, JARJ: Int., Vol.1, No.1, 2004.

13. On the equivalence classes of fuzzy m-Normed matrices, 99-101, JARJ: Int., Vol.1, No.1, 2004.
14. Shortest Path on a network using fuzzy number, Bulletin of Pure and Applied Sciences, 27-34, Vol. 23E(1), 2004.
15. Solving Transportation Problem Using Fuzzy Number, Bulletin of Pure and Applied Sciences, 281-289, Vol. 23E (2), 2004.
16. Status in Fuzzy Graphs, Bulletin of Pure and Applied Sciences, 361-365, Vol. 23E (2), 2004.
17. A New Representation of Piecewise Quadratic Fuzzy Number Using Closed Interval Approximations, Bulletin of Pure and Applied, 225-233, Vol. 23E(2), 2004.
18. Optimum Order Quantity using Fuzzy number, 63-75, JARJ: Int., Vol.1, No.2, 2004.
19. Analysis of Fuzzy queues using parametric programming, Bulletin of Pure and Applied Sciences, 17-23, Vol. 24E, No. 1, 2005.
20. Fuzzy Multi-Objective Path-DP Approach, 52-53, JARJ: Int., Vol.2, No.1, 2005.
21. Simulation of Turbulent Pre-mixed Charge Combustion in SI Engine, Technical Report of the Modelling and Simulation Research, Australia, Vol. 2: Issue 1 April 2005.
22. Fuzzy shortest path network with uncertain edge, 28-33, JARJ: Int., Vol.2, No.2, 2005, 23-31.
23. Fuzzy Buffer stock, JARJ:Int., Vol.2, No.2, 53 – 55, 2005.
24. Fuzzy Non-Cooperative Games using Fuzzy logic, JARJ: Int., Vol.2, No.2, 64 – 66, 2005.
25. Algorithm for Fuzzy Multi-objective Shortest path problem, Bulletin of Pure and Applied Sciences, Vol.24E, No.2, 325-329, 2005.
26. Identification of Fuzzy bridges and Fuzzy Cut nodes using Fuzzy Graph, Pure and Applied Mathematika Sciences, Vol. LXII, No. 1-2, September 2005, 33-38.
27. Fuzzy Tandem Queues, Acta Ciencia Indica, Vol. XXXII M, No.1, (2006) 257-262.
28. Multi Objective Fuzzy Transportation Problem, Acta Ciencia Indica, Vol. XXXII M, No.1, (2006) 395-400.
29. Domination in fuzzy graph, Adv. in Fuzzy sets & Systems 1(1) (2006), 17-26.
30. On shortest path fuzzy network, Adv. in Fuzzy sets & Systems 1(3) (2006), 219-230.
31. Economic Production Quantity in Fuzzy sense, Bulletin of Pure and Applied Sciences, Vol. 25E (No.2) 2006, 295-301.

32. Transportation Problem in Fuzzy Environment, Bulletin of Pure and Applied Sciences, Vol. 25E (No.2) 2006, 415-420.
33. On Piecewise Quadratic fuzzy numbers in Linear Programming Problems, 62– 68, JARJ:Int., Vol.3, No.1, 2006.
34. Solving Linear Programming Problems using fuzzy numbers, 69 – 73, JARJ:Int., Vol.3, No.1, 2006.
35. Some inventory problems with fuzzy back ordering, Pure and Applied Mathematika Sciences, Vol. LXIV, No. 1-2, September 2006, 49-57.
36. Free Nodes and Busy Nodes of a Fuzzy Graph, East Asian Mathematical Journal, Korea, 22 (2006), No.2, pp. 163-170.
37. Two Stage Fuzzy Transportation Problem, Journal of Physical Sciences, Vol.10, 2006, 63-69.
38. Fuzzy Bipartite Graphs, Journal of Quantitative Methods, Vol.2, No.2, December 2006, pp 54-60.
39. Linear Programming Problems using close interval approximation of Piecewise Quadratic Fuzzy numbers, Applied Science Periodical Vol. VIII, No. 4, November 2006.
40. Strong and Weak Domination in Fuzzy Graphs, East Asian Mathematical Journal, Vol.23, No.1, June 30, (2007) pp 1-8.
41. Fuzzy independent dominating set, Adv. in Fuzzy sets & Systems 2(1) (2007), 99-108.
42. An algorithm on Domination Number of a Graph, International Journal of Mathematics and Computer Science, 2(2007), no.3, 231-235,
43. Optimal Purchasing Policy in Fuzzy Environment, Adv. in Fuzzy sets & Systems 2(2) (2007), 109-129.
44. A New Algorithm for Solving a Fuzzy Transportation Problem, Adv. in Fuzzy sets & Systems 2(3) (2007), 301-310.
45. Solving Fuzzy Integer Transportation Problems, Pure Applied Mathematika Sciences, vol. LXVI, No.1-2, September 2007, 27-35.
46. Basic Solution in Fuzzy Environment, Acta Ciencia Indica, Vol. XXXIII M, No.2, (2007), 329-334.
47. Parametric Study on Fuzzy queuing model, Bulletin of Pure and Applied Sciences Vol. 26E (No.1) 2007: 89-99.

48. Solving Multiobjective Fuzzy linear Programming problems using superiority and inferiority measures, JARJ:Int., 2007, Vol.4, No.1, 69-73.
49. On composition of two fuzzy graphs, JARJ:Int., 2007, Vol.4, No.1, 74-80.
50. Study of brick makers as bonded labourers using CETD matrix techniques, JARJ:Int., 2007, Vol.4, No.1, 81-87.
51. Use of CETD matrix techniques to analyse the forest workers as bonded labourers, JARJ:Int., 2007, Vol.4, No.1, 88-96.
52. Optimal Strategies of Two Person Fuzzy Game, Bulletin of Pure and Applied Sciences Vol. 26E (No.2) 2007: P. 257-262.
53. Multi-Objective Fuzzy Linear Programming Problems with Interval Numbers, Bulletin of Pure and Applied Sciences Vol. 26E (No.2) 2007: P. 191-196.
54. A Parametric Non Linear Programming Approach to Fuzzy Decision Problem of a Queuing System with Finite Capacity, Journal of Physical Sciences, Vol. 11, 2007, 17-28.
55. On fuzzy variable linear programming in duality, J. Curr. Sci. 10 (2) : 523-530 (2007).
56. A Non-Linear Parametric Programming approach for Fuzzy retrial queues, Jamal Academic Research Journal: an Interdisciplinary, Volume 4, No.2, pp. 59-68 (2007).
57. Some sequences in fuzzy graph, Far East Journal of Applied Mathematics, Volume 31, Issue 3, Pages 321 – 335 (June 2008)
58. Optimal Fuzzy Production Inventory Model over Time, Advances in Fuzzy Sets and Systems, Volume 3, Issue 2, Pages 157 - 173 (June 2008).
59. Conjunction of two Fuzzy Graphs, International Review of Fuzzy Mathematics, Volume 3 No.1 (June 2008) pp 95-105.
60. Parametric non-linear programming for analyzing fuzzy queues with finite capacity, International Review of Fuzzy Mathematics, Volume 3 No.1 (June 2008) pp 81-93.
61. Effective Fuzzy Euler and Fuzzy Hamiltonian Graph, International Review of Fuzzy Mathematics, Volume 3 No.1 (June 2008) pp 55-68.
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63. Isomorphism on Fuzzy Graphs, International Journal of Computational and Mathematical Sciences, volume 2 Number 4 Fall 2008 pp 200-206.
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66. An Algorithmic Approach to Fuzzy Quadratic Programming Problem, International Journal of Algorithms, Computing and Mathematics, volume 1, No.2, 2008, 47-52.
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69. New approach to solve fuzzy linear system, International Review of Fuzzy Mathematics, volume 3, No. 2, (June 2008) pp. 135-146.
70. Solving Two Person Fuzzy Games by TOPSIS Method Using Multi Criteria Decision Making, International Review of Fuzzy Mathematics, volume 3, No. 2, (June 2008) pp. 179-190.
71. On Domination, Independence and Irrendundance in Fuzzy Graph, International Review of Fuzzy Mathematics, volume 3, No. 2, (June 2008) pp. 191-198.
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77. On the Sum of the Cardinalities of Independent and Independent Dominating Sets in Fuzzy Graph, Advances in Fuzzy Sets and Systems, Vol. 4, No. 2, 157-165, 2009.
78. Some Properties of Truncations of Fuzzy Graphs, Advances in Fuzzy Sets and Systems, Vol. 4, No. 2, 215-227, 2009.
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87. A Note on Fuzzy Linear Programming Problem Using L-R Fuzzy Number, International Journal of Algorithms, Computing and Mathematics, Vol. 2, No. 3, August 2009, pp 93-106.
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89. A Fuzzy Tool to Study Bonded Labourer Problem, International Journal of Algorithms, Computing and Mathematics, Vol. 2, No. 3, August 2009, pp 123-128.
90. C-R Representation for Fuzzy Linear Programming Problem, Far East Journal of Mathematical Sciences (FJMS), Volume 35, Issue 3, Pages 341 - 353 (December 2009).
91. Supply chain model for the retailer's ordering policy under two levels of delay payments in fuzzy environment, Applied Mathematical Sciences, Bulgeria, Vol. 4, 2010, no. 24, 1155 – 1164.
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93. EOQ Model for the Deteriorating Items with Fuzzy Parameters, Bulletin of Pure and Applied Sciences, Vol.28E(N0.2) 2009: p.237-244
94. Parametric Nonlinear Programming approach to Fuzzy Retrial queues with batch arrival, Bulletin of Pure and Applied Sciences, Vol.28E (N0.2) 2009: p.255-266.
95. Contributions to the Theory of Domination, Independence and Irredundance in Fuzzy Graph, Bulletin of Pure and Applied Sciences, Vol.28E(N0.2) 2009: p.179 - 187.
96. Batch Arrival queue with setup, uncertain parameters and Fuzzy varying Batch sizes, Bulletin of Pure and Applied Sciences, Vol.28 E(N0.2) 2009: p.313-331.
97. On Antipodal Fuzzy Graph, Applied Mathematical Sciences, Vol. 4, 2010, no. 43, 2145 - 2155, Bulgeria.
98. Economic Order Quantity for items with imperfect quality where shortages are backordered in fuzzy environment, Advanced in Fuzzy Mathematics, Volume 5, Number 2 (2010), pp. 91–100.
99. Closed neighborhood degree and its extension in fuzzy graphs, Far East Journal of Applied Mathematics, Volume 40, Issue 1, Pages 65 - 72 (March 2010).
100. An Algorithm for Solving Fuzzy Quadratic Programming Problem, Far East Journal of Applied Mathematics, Volume 40, Issue 2, Pages 165 - 175 (March 2010)
101. EOQ with finite rate of replenishment under supplier credits with fuzzy parameters, Advances in Fuzzy Sets and Systems, Volume 5, Issue 2, Pages 127 - 136 (April 2010)
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104. TOPSIS Method for Solving Interval Valued Intuitionistic Fuzzy Decision Making Problem, Bulletin of Pure and Applied Sciences. Vol. 29E (No.1) 2010:P.125-133.
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113. A Fuzzy Production Inventory System with Deterioration, International Journal of Applied Mathematical Sciences, Vol. 5, 2011, No. 5, 233 – 241, Bulgeria.
114. Fuzzy compromise ratio method for decision making problem, International Journal of Mathematical Sciences and Engineering Applications, Vol. 5 No. I (January, 2011), pp. 39-52.
115. Domination Critical Nodes in Fuzzy Graph, International Journal of Mathematical Sciences and Engineering Applications, Vol. 5 No. I (January, 2011), pp. 295-301.
116. Fuzzy Detour as a Hamiltonian Path in Fuzzy Graphs, International Journal of Mathematical Sciences and Engineering Applications, Vol. 5 No. II (March, 2011), pp. 161-166.
117. Some aspects of neighbourhood fuzzy graph, Bulletin of Pure and Applied Sciences. Vol. 29E (No.2) 2010 P.319-324.
118. A Hybrid Approach on Shortest Path in Fuzzy Network – Accepted International Journal of Information Sciences and Application (IJISA)
119. Intuitionistic Fuzzy Credibility Relation Method for Multi – Criteria Group Decision Making Problem, International Journal of Mathematical Sciences and Engineering Applications, Vol. 5 No. III (May, 2011), pp. 11-25.
120. Transshipment Problem in Fuzzy Environment, International Journal of Mathematical Sciences and Engineering Applications, Vol. 5 No. III (May, 2011), pp. 57-74.
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Decentralized Decisions using Fuzzy Ranking Method, International Journal of Mathematical Sciences and Engineering Applications, Vol. 5 No. III (May, 2011), pp. 175-187.

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123. An Optimal Policy for Recovery and Procurement with Imperfect Quality under Multiple Setups, International Journal of Mathematical Sciences and Applications, Vol. 1 No. 2 (May, 2011), pp. 473-489.
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136. Compromise Ratio Method for Multi-Person Multi-Attribute Decision Making Under Intuitionistic Fuzzy Environment, Ultra Scientist Vol. 23(3) A, 675-686 (2011).
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141. On Irregular Fuzzy Graphs, International Journal of Applied Mathematical Sciences, Vol. 6, 2012, no. 11, 517 – 523, Bulgaria.
142. An Index Method for Solving the Linear Complementarity Problem Under Fuzzy Environment, International Journal of Applied Mathematical Sciences, Vol. 6, 2012, no. 42, 2081 – 2089, Bulgaria.
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153. A New Method for Solving Bimatrix Game Using LCP Under Fuzzy Environment, J. Math. Comput. Sci. 3 (2013), No. 1, 135-149, UK.
154. A Novel Approach to Find the Entire Feasible Solutions on Fuzzy Linear Programming Problem, J. Math. Comput. Sci. 3 (2013), No. 1, 124-134, UK.
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12. Research Paper Publications:
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2. Fuzzy Multi Objective Shortest Path, Proceedings of the National Conference on Recent Trends in Discrete and Fuzzy Mathematics, Bharata Mata College, Thrikkakara, Kochi-21, Kerala; Nov.10-12, 2005, Pages 68-70.
3. An Analytical Study of Degree of Nodes of a Fuzzy Graph, Proceedings of the National Conference on Recent Trends in Discrete and Fuzzy Mathematics, Bharata Mata College, Thrikkakara, Kochi-21, Kerala; Nov.10-12, 2005, Pages 71-73.
4. Fuzzy Decision Making Method Using Piecewise Quadratic Fuzzy Numbers, Proceedings of the National Conference on Recent Trends in Discrete and Fuzzy Mathematics, Bharata Mata College, Thrikkakara, Kochi-21, Kerala; Nov.10-12, 2005, Pages 77-83.
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8. Minimal paths in Fuzzy graph, Proceedings of the International Conference on Mathematics and Computer Science, Loyola College, Chennai, India, 01-03, March 2007, page 183-185.
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16. Split and Non-Split Domination in Fuzzy Graphs, Proceedings of the National Conference on Fuzzy Mathematics and Graph Theory, 27 & 28, March 2008, Tiruchirappalli, pp 20-23,GIGO Publications.
17. Linear Complementary Problems with Fuzzy Numbers, Proceedings of the National Conference on Fuzzy Mathematics and Graph Theory, 27 & 28, March 2008, Tiruchirappalli, pp 24-28,GIGO Publications.
18. On Close Interval Approximation of Fuzzy Numbers, Proceedings of the National Conference on Fuzzy Mathematics and Graph Theory, 27 & 28, March 2008, Tiruchirappalli, pp 29-33,GIGO Publications.
19. On Irredundance in Fuzzy Graphs, Proceedings of the National Conference on Fuzzy Mathematics and Graph Theory, 27 & 28, March 2008, Tiruchirappalli, pp 40-43,GIGO Publications.
20. Estimation of Maximum Age Group of Rice Mill Workers as Bonded Labourers with their Sociological Attributes, Using Fuzzy Matrix, Proceedings of the National Conference on Fuzzy Mathematics and Graph Theory, 27 & 28, March 2008, Tiruchirappalli, pp 49-52,GIGO Publications.
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38. Fuzzy Detour μ-Distance in Fuzzy Graph, Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, 24th & 25th July, 2009, Tiruchirappalli, pp 184-187, Allied Publishers Pvt. Ltd.
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40. Mixed Integer Nonlinear Programming Approach to Fuzzy Retrial Queue, Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, 24th & 25th July, 2009, Tiruchirappalli, pp 356-365, Allied Publishers Pvt. Ltd.
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44. On solving a socially relevant Fuzzy Goal Programming Model using Taylor Series Approach, Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, 24th & 25th July, 2009, Tiruchirappalli, pp 478-482, Allied Publishers Pvt. Ltd.
45. A new approach for solving Generalized Fuzzy Transportation Problem, Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, 24th & 25th July, 2009, Tiruchirappalli, pp 489-492, Allied Publishers Pvt. Ltd.
46. Transportation Problem with shuffled Fuzzy Numerates, Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, 24th & 25th July, 2009, Tiruchirappalli, pp 493-496, Allied Publishers Pvt. Ltd.
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57. Solving Fuzzy Linear Programming Problem using Interval Number, Proceedings of International Conference on Emerging Trends in Mathematics and Computer Applications, December 16th to 18th, 2010, Sivakasi, pp 162-165, Allied Publishers Pvt. Ltd.
58. Fuzzy Approach in Determination of EOQ in a Two Level Supply Chain with Transportation Cost and Comparison of Total cost in centralized and Decentralized Decisions, Proceedings of International Conference on Emerging Trends in Mathematics and Computer Applications, December 16th to 18th , 2010, Sivakasi, pp 166-170, Allied Publishers Pvt. Ltd.
59. Busy Nodes and Free Nodes in Intuitionistic Fuzzy Graphs, Proceedings of National Conference on Recent Development in Mathematics and Its Applications, January 31st and February 1st 2011, Chennai, pp 331-337, Excel India Publishers New Delhi.
60. Critical Arc and Insensitive Node Domination in a Fuzzy Graph, Proceedings of National Conference on Recent Development in Mathematics and Its Applications, January 31st and February 1st 2011, Chennai, pp 321-326, Excel India Publishers New Delhi.
61. An Intuitionistic Fuzzy Shortest Path Problem Using Trapezoidal Intuitionistic Fuzzy Number, Proceedings of National Conference on Recent Development in

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63. A New Operation on Trapezoidal Fuzzy Number for Solving Fuzzy Linear Programming Problem, Proceedings of the Heber International Conference on Applications of Mathematics and Statistics (HICAMS-2012), 5th to 7th January 2012, Tiruchirappalli, pp 289-296 , Excel India Publishers New Delhi.
64. Solving Linear Programming Problem in Intuitionistic Fuzzy Environment, Proceedings of the Heber International Conference on Applications of Mathematics and Statistics (HICAMS-2012), 5th to 7th January 2012, Tiruchirappalli, pp 297-304, Excel India Publishers New Delhi.
65. An Algorithmic Approach to Find Neighbourly Irregular and Highly Irregular Fuzzy Graph of a Fuzzy Graph, Proceedings of the Heber International Conference on Applications of Mathematics and Statistics (HICAMS-2012), 5th to 7th January 2012, Tiruchirappalli, pp 305-311, Excel India Publishers New Delhi.
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73. A Linear Complementarity Approach to Solve the Fully Fuzzy Quadratic Programming Problems, Proceedings of the International Conference on Mathematical Modeling and Applied Soft Computing (MMASC-2012), 11th to 13th July 2012, Coimbatore Institute of Technology, Coimbatore, Volume-I, pp 48-58, Shanga Verlag Publishers, Coimbatore(ISBN No.: 978-81-923752-1-2).
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79. New Edge Dominations in Fuzzy Graphs, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 115-120, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
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Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 616-620, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.

86. A New Algorithm for Solving Intuitionistic Fuzzy Linear Programming Problem, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 629-634, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
87. A Methodology ot solve Multi-Objective Intuitionistic Fuzzy Linear Programming Problem, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 714-719, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
88. A Variable Dimension Algorithmic Approach to Solve Fuzzy Linear Complimentarity Problem, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 720-726, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
89. Transportation Problem with Mixed Constraints in Intuitionistic Fuzzy Environment, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 734-739, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
90. A Modified New Operations for Intuitionistic Fuzzy Numbers and Its Applications, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 759-767, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
91. Primal Dual Fuzzy Simplex method, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 768-773, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.
92. The Criss Cross Algorithm for Solving Fully Fuzzy Linear Complementarity Problem, Proceedings of the International Conference on Mathematical Methods and

Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 777-783, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.

93. Fuzzy Inventory Model with Permissible Delay in Payments, Proceedings of the International Conference on Mathematical Methods and Computation (ICOMAC 2014), 13th & 14th February 2014, Jamal Mohamed College, Tiruchirappalli, pp 794-802, Jamal Academic Research Journal (Special Issue) (ISSN No.: 0973-0303), Tiruchirappalli.

13. Resource Person in State Level / Symposium/ National / International Conference:

1. State Level Seminar on Recent Trends of Research in Mathematics and its Applications- A.V.V.M. Sri Pushpam College, Poondi, Thanjavur, Tamilnadu, 01, February 2004.
2. State Level Seminar on Applications of Mathematics, Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur, Tamilnadu, 03, March 2004.
3. State Level Seminar on Current Trends & Dotnet, Chidambaram Pillai College for Women, Tiruchirappalli, Tamilnadu, 17, August, 2004.
4. UGC Sponsored State Level Seminar on Decision Making Techniques, A.V.V.M. Sri Pushpam College, Poondi, Thanjavur, Tamilnadu, 04& 05 September, 2004.
5. UGC Sponsored National Seminar on Mathematical Modelling to Social and Managerial Problems, A.D.M. College for Women, Nagapattinam, Tamilnadu, 24 & 25, September 2004.
6. Refresher Course in Mathematics Sponsored by Director of Collegiate Education Government of Tamilnadu, Chennai at J.J.College of Arts and Science, Pudukkottai, Tamil nadu, 21-02.2005 to 25.02.2005
7. State Level Seminar on Emerging Trends in Mathematical Methods Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur, Tamilnadu, 24 and 25, February 2005.
8. UGC Sponsored National Seminar on Development in Mathematical Applications, K.N. Govt. Arts College for Women, Thanjavur, Tamilnadu, 08 & 09, April, 2005.
9. UGC sponsored State level seminar on stochastic processes and its applications, A.V.V.M. Sri Pushpam College, Poondi, Thanjavur, Tamilnadu, 16 & 17 March, 2006.
10. State Level Seminar on Computer Oriented Mathematical Techniques 2007, Shrimati Indira Gandhi College, Tiruchirappalli, Tamilnadu, 10 & 11 August, 2007.

11. National Conference on Frontiers of Mathematics and Applications, Sona College of Technology, Salem, Tamilnadu, 15 February, 2008.
12. State Level Seminar on "Fuzzy Mathematical Structures" V.V.Vanniaperumal College for Women, Virudhunagar, Tamilnadu, 27th February 2008.
13. National Conference on Optimization Techniques in Engineering and Technology, Vinayaka University, Salem, Tamilnadu, 28 & 29 March 2008.
14. Seminar on "Fuzzy sets and its application" under UGC-SAP Programme, Gandhigram Rural University, Gandhigram, Tamilnadu, 16, April 2008.
15. One day Symposium "Fuzzy Applications", 1st November 2008, Oxford Engineering College, Tiruchirappalli.
16. National Conference on Recent Advancement in Pure and Applied Mathematics, D.D.G.Vaishnav College, Chennai, 23rd and 24th January 2009.
17. UGC-SAP(DRS) Sponsored National Workshop on Mathematical Modeling and Computational Mathematics, Gandhigram Rural University, Gandhigram, 23rd – 28th February, 2009.
18. UGC Sponsored National Seminar on Fuzzy Mathematical Modeling in Agriculture and Waste Land Development, Khadir Mohideen College, Adirampattinam, Thanjur Dist., Tamilnadu, 28th & 29th March 2009.
19. National Conference on Fuzzy Mathematics, Graph Theory and Applications, Mepco Schlenk Engineering College, Sivakasi, 17th & 18th April 2009.
20. DRDO Sponsored National Level Workshop on "Recent Developments in Computational Systems Simulation and Modeling", V.L.B.Janakiammal College of Engineering & Technology, Kovaipudur, Coimbatore, 29th April 2009.
21. The Orientation Course for the newly recruited Government College Teachers, D.G.Vaishnav College, Chennai, 1st August, 2009.
22. UGC Sponsored National Seminar On Applications of Mathematics in Fuzzy Environment, Meenakshi College for Women, Chennai, 11th & 12th August 2009.
23. UGC Sponsored National Conference on Advances in Mathematics: Scientific Developments and Engineering Applications, Kunthavai Naachiyar Govt. Arts College for Women, Thanjavur, Tamil Nadu, 31st August and 1st September, 2009.
24. UGC Sponsored National Conference on Recent Trends in Fuzzy and Discrete Mathematics, Union Christian College, Aluva, Kerala, November 19-21, 2009.
25. UGC Sponsored National Seminar on Applications of Algebra and Number Theory, National Colllege, Tiruchirappalli, Tamilnadu, December 4-5, 2009.

26. DST Sponsored National Conference on Discrete and Fuzzy Mathematics, Karunya University, Coimbatore, 9th & 10th December 2009.
27. TANSCHE Sponsored National Conference Government Arts College (Autonomous), Kumbakonam, 21 & 22, December 2009.
28. National Symposium on Research Areas in Mathematics and Computer Science, Chevalier T.Thomas Elizabeth College for Women, Chennai, 12th, February 2010.
29. UGC Sponsored State Level Seminar on Recent Developments in Mathematics, A.V.C. College (Autonomous) Mannampandal, Nayiladuthurai, Tamilnadu, 2nd & 3rd March, 2010.
30. UGC-SAP (DRS II) Supported Seminar, Gandhigram Rural Institute – Deemed University, Gandhigram, Tamilnadu, 13th March 2010.
31. UGC Sponsored National Level Seminar on Recent Trends in the Application of Mathematical Modelling in Information Technology and Business, 26th & 27th March, 2010.
32. National Seminar on Graph Theory and its Application, Department of Mathematics, Periyar Maniammai University, Vallam, Tamilnadu, 26th & 27th March 2010.
33. AICTE Sponsored Staff Development Programme on Current Trends and Application of Resource Management Techniques in Engineering and Technology, Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi, 24.05.2010 to 05.06.2010.
34. UGC Sponsored One Day Seminar on A Mathematical Investigation of Experimental Observations, Department of Mathematics, Periyar E.V.R. College (Autonomous), Tiruchirappalli, 23rd September 2010.
35. International Conference on Emerging Trends in Mathematics and Computer Applications, Department of Mathematics and Computer Applications, Mepco Schlenk Engineering College, Sivakasi, Tamilnadu,16.12.2010 to 18.12.2010.
36. UGC Sponsored National Conference on Recent Advances in Pure and Applied Mathematics, Department of Mathematics, Government Arts College for Women (Autonomous), Pudukkottai, Tamilnadu, 28th and 29th January 2011
37. TANCHE Sponsored Workshop on Art of Scientific Article Writing, Department of Mathematics, Chemistry, Zoology and Geography, Periyar E.V.R. College (Autonomous), Tiruchirappalli, Tamilnadu, 11th and 12th March 2011.

38. AICTE Sponsored National Conference on Current Researches on Fuzzy Logic and Its Applications, 23rd – 25th June, 2011, Department of Mathematics, M.A.M College of Engineering, Siruganur, Tiruchirappalli.
39. One Day National Level Workshop on Fuzzy set Theory and Applications / Queuing Theory and Applications, 6th August 2011, Department of Mathematics, K.Ramakrishnan College of Technology, Samayapuram,Tiruchirappalli-621 112.
40. State Level Seminar on Application of Mathematics in Advanced Fields, 19th December 2011, Department of Mathematics, Ethiraj College for Women (Autonomous), Chennai-600 008.
41. UGC and DST – Curie Sponsored International Conference "Mathematics and its Application – A New Wave (ICMANW-2011), 21st and 22nd December 2011, Department of Mathematics, Avinashilingam University, Coimbatore-641043.
42. National Conference on Fuzzy Optimization and Graph Theory With Applications, 23 – 24 February, 2012, Mepco Schlenk Engineering College, Sivakasi -626 005.
43. Workshop for college students on "Scope on Higher Studies in Mathematics", 15th march 2012, Tamilnadu Science & Technology Centre, Chennai and Anaa Science Centre – Planetarium, Tiruchirappalli.
44. UGC Sponsored National Seminar on Stochastic Finance and Fuzzy Decision Theory, 15th – 17th March 2012, Department of Mathematics, St. Peter's College, Kolenchery, Ernakulam Dist., Kerela.
45. International Conference on "Artificial Neural Networks and e-Mathematical Learning", 23rd – 25th, July 2012, Department of Mathematics, Loyola College, Chennai.
46. National Board for Higher Mathematics (NBHM) sponsored National Level Seminar on "Mathematical Modelling and Scientific Computation", 30th – 31st, August 2012, Department of CT-PG, Kongu Engineering College(Autonomous), Perundurai-638 052, Tamilnadu INDIA.
47. National level workshop on Recent Advances in Mathematics and its Applications, December 13 and 14, 2012, Department of Methematics, L. N. Government College (Autonomous), Ponneri-601 204, Thiruvallur District, Tamilnadu.
48. National Conference on Fuzzy sets and its applications, 9th February 2013, Department of Mathematics, P.K.R. Arts College for Women, Gobichettipalayam-638476, Erode Dist., Tamil Nadu.

49. Two Days National Seminar on Fuzzy sets & Fuzzy Logic with its applications, 14th & 15th February 2013, Department of Mathematics, KNM Govt. Arts & Science College, Kanjiramkulam, Thiruvananthapuram, Kerela.
50. UGC-SAP (DRS II) Supported Seminar, Gandhigram Rural Institute – Deemed University, Gandhigram, Tamilnadu, 22nd February 2013.
51. National Seminar on Modern Techniques and Applications in Mathematics, Sree Saraswathi Thyagaraja College, Pollachi, Tamil Nadu, 4th March 2013.
52. AICTE Sponsored National Level Workshop on Computational and Applied Mathematics, Sona College of Technology, Salem, Tamil Nadu, 8th and 9th March 2013.
53. Faculty Development Programme, Department of Mathematics, Trichy Anna University, Trichy on 21st December 2013.
54. National conference on Current scenario in the applications of mathematical sciences, P.G. Department of Mathematics, Vellalar College for women, Erode-638 012 on 9th January, 2014.
55. State Level Workshop on Recent Advancements in Applied Mathematics, Department of mathematics, Justice Basheer Ahmed Sayeed College for Women (Autonomous), Chennai-18, on 18th January 2014.
56. State Level Seminar on Relevance of Mathematics In Various Fields, Department of Mathematics(After Noon Session) Justice Basheer Ahmed Sayeed College for Women (Autonomous), Chennai-18, 28th January 2014.
57. State Level Seminar on Fuzzy Mathematics and Its Applications, Arulmigu Palaniandavar Arts College for Women (Autonomous), Palani-624615, Tamilnadu, on 20th February 2014.
58. UGC Sponsored National Conference on Fuzzy Logic and Its Applications to Computer Science and Annual Conference of Kerala Mathematical Association, Baselios Poulose II Catholicos College, Piravom, Ernakkulam, Kerala, on 20th to 22nd February 2014.
59. National Conference on Emerging Trends in Science and Humanities NCETSH 2014, Department of Science and Humanities, Saveetha Engineering College, Chennai, 11th April 2014.
60. UGC Sponsored National Conference on Recent Trends in Applicable Mathematics, Department of mathematics, Bharata Mata College, Thrikkakara, Cochin, Kerala, 18th to 20th September 2014.

61. UGC Sponsored Two days State Level Seminar on Recent Trends in Applications of Mathematics, Department of mathematics, Periyar E.V.R. College, Tiruchirappalli, 23rd & 24th September 2014.
62. One Day National Workshop on Fuzzy Logic and Fuzzy Graphs, 10th October 2014, Department of Mathematics, M.Kumarasamy College of Engineering, Karur, Tamilnadu.
63. UGC Sponsored National Conference on Developments of Decision Making in Fuzzy Environment, 4th and 5th December 2014, St. Stephen's College, Uzhavoor, Kerala.

14. Papers Presented :

1. UGC Sponsored National Seminar on Applications of Mathematics, St. Joseph's College, Tiruchirappalli, Tamil Nadu, 17-19, Feb. 2000.
2. UGC Sponsored National Seminar on Recent Developments in Mathematical Applications, Sri Visalakshi college, Udumalpet, Tamil Nadu, 1&2, February 2002.
3. National Symposium on Mathematical Methods & Application., I.I.T, Madras, Tamil Nadu, 21, December 2002.
4. National Symposium on Mathematical Methods & Application., I.I.T, Madras, Tamil Nadu, 22, December 2003.
5. UGC Sponsored State Level Seminar on Mathematical Methods in Social Sciences, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, 08 & 09, September, 2004.
6. National Symposium on Mathematical Methods & Application., I.I.T, Madras, Tamil Nadu, 22, December 2004.
7. UGC sponsored National seminar on "Development in Mathematical Applications", K.N. Govt. Arts College for Women, Thanjavur, Tamil Nadu, 08 & 09, April 2005.
8. National Conference on Recent trends in Discrete and Fuzzy Mathematics, Kerala Mathematical Association & Bharata Mata College, Thikkakara, Kochi, Kerala, 10-12, November 2005.
9. International Conference on "Number Theory and Mathematical Physics", SASTRA, Kumbakonam, Tamil Nadu, India, 20 & 21 December 2005.
10. International Conference on "Mathematical Modelling and Computation", Universiti of Brunei Darrussalam, Brunei, 05 – 08, June 2006.
11. National Conference on "Mathematical Techniques and Applications", SRM University, Chennai, Tamil Nadu, 05&06, January 2007.

12. National Level seminar on “Emerging trends of Mathematical Techniques and their applications in Computer Science”, Tiruchirappalli, Tamil Nadu, 23 & 24, February 2007.
13. International Conference on “Mathematics and Computer Science” Loyola College, Chennai, Tamil Nadu, India, 01-03, March 2007.
14. International Conference on Modelling and Simulation, Coimbatore Institute of Technology, Coimbatore, Tamil Nadu, India, 27-29, August 2007.
15. International Conference on “Mathematics and Computer Science” Loyola College, Chennai, Tamil Nadu, India, 25-26, July 2008.
16. National Seminar on “Novel Approach in Graph Theory, Fuzzy Mathematics and Stochastic Models”, Holy Cross College, Tiruchirappalli, Tamilnadu, 02-03, December 2008.
17. UGC Sponsored International Conference on “Mathematical Methods and Computation”, Jamal Mohamed College, Tiruchirappalli, Tamilnadu, 24th & 25th July 2009.
18. UGC Sponsored International Conference on “Recent Trends in Fuzzy and Discrete Mathematics”, Union Christian College, Aluva, Kerala, 19th & 21th November 2009.
19. National Seminar on Graph Theory, Algorithms and Modeling, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu, India, 19th March 2010.
20. International Conference on Emerging Trends in Mathematics and Computer Applications, Dept of Mathematics and Computer Applications, Mepco Schlenk Engg College, Sivakasi, December 16-18, 2010
21. National Conference on Recent Developments in Mathematics and its applications, SRM University, Chennai, 31st Jan – 1st Feb, 2011.
22. The Heber International Conference on Applications of Mathematics and Statistics (HICAMS-2012), 5th to 7th January 2012, Tiruchirappalli,

15. Seminars / Conferences / Workshops Organized:

1. UGC sponsored State level seminar on “Mathematical methods & Fuzzy Applications”, Jamal Mohamed College (Autonomous),Tiruchirappalli, 27th February 2006– **Convenor**
2. National Conference on “Fuzzy Mathematics & Graph Theory”, Jamal Mohamed College (Autonomous),Tiruchirappalli, 27th 28th March 2008– **Organizing Secretary**
3. UGC Sponsored International Conference on Mathematical Methods and

Computation, Jamal Mohamed College (Autonomous), Tiruchirappalli, 24th & 25th July 2009 - **Organizing Secretary**

4. UGC sponsored (Under Autonomous Grant) One Day National Level Seminar on Graph Theory, Algorithms and Modelling, Jamal Mohamed College (Autonomous), Tiruchirappalli, 19th March 2010 - **Organizing Secretary**
5. International Conference on Mathematical Methods and Computation, Jamal Mohamed College (Autonomous), Tiruchirappalli, 13th & 14th February, 2014 – **Organizing Secretary**
5. International Conference on Mathematical Methods and Computation, Jamal Mohamed College (Autonomous), Tiruchirappalli, 22nd & 23rd January, 2015 – **Organizing Secretary**

16. Seminars / Conferences / Workshops Attended :

1. Quality Enhancement and sustenance in Higher Education, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, 27, March, 2002.
2. TANSCHE and UGC sponsored three day workshop on "Curriculum development and Evaluation" organized by UGC-Academic staff college, Bharathidasan University, Conducted by Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, 2-4, March, 2006.
3. Residential Programme on "Training of College Teachers on Soft – Skill Development (TCTSD)" organized by Bharathidasan University Technology Park & Confederation of Indian Industry, Tiruchirappalli, Tamilnadu, 6.02.2007 to 10.02.2007.
4. Three Day workshop on "e-Governance" Sponsored by Tamilnadu State Council for Higher Education, Academic Staff College, Bharathidasan University from 29.03.2007 to 31.03.2007.
5. Five Days workshop on "Software Tools", Jamal Mohamed College (Autonomous), Tiruchirappalli, from 28.02.2009 to 04.03.2009.
6. UGC Sponsored International Conference Mathematical Methods and Computation, Jamal Mohamed College (Autonomous), Trichirappalli, 24th and 25th July, 2099.
7. UGC Sponsored State Level Seminar on Examination Reforms, Jamal Mohamed College (Autonomous), Tiruchirappalli, 12th March, 2010.
8. NAAC Sponsored National Level Seminar on Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions – Prospects and Problems, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu, 15th & 16th April

2010.

9. Seminar on Creating Competitiveness to excel in Higher Education – a TQM Approach, Organised by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th December 2010.
10. The Heber International Conference on Applications of Mathematics and Statistics (HICAMS-2012), 5th to 7th January 2012, Tiruchirappalli,
11. UGC Sponsored All India Workshop on Research Methodology and Technology Management in Higher Education, 14th & 15th March, 2013, Academic Staff College, Pondicherry University, Pondicherry

17. Chair Person in State Level / Symposium/ National / International Conference:

1. UGC and DST – Curie Sponsored International Conference "Mathematics and its Application – A New Wave (ICMANW-2011), 21st and 22nd December 2011, Department of Mathematics, Avinashilingam University, Coimbatore-641043.
2. The Heber International Conference on Applications of Mathematics and Statistics (HICAMS-2012), 5th to 7th January 2012, Tiruchirappalli.

18. Books Written and Published:

1. Proceedings of National Conference on Fuzzy Mathematics & Graph Theory, Gigo Publishers, (ISBN: 81-88338-07), 2008 - Editor
2. Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, Allied Publishers, (ISBN: 978-81-8424-466-3) 2009 – Editor
3. A First Look at Fuzzy Graph Theory, Published by Allied Publishers PVT. LTD. 2010 (ISBN: 978-81-8424-597-4) - Author
4. Proceedings of the UGC Sponsored International Conference on Mathematical Methods and Computation, Jamal Academic Research Journal: An Interdisciplinary (ISSN 0973-0303), 2014 – Editor
5. Special Issue of the UGC Sponsored International Conference on Mathematical Methods and Computation, Jamal Academic Research Journal: An Interdisciplinary (ISSN 0973-0303), 2015 – Editor

19. Member in Editorial Board:

1. Bulletin of Pure and Applied Sciences, New Delhi, India – **Convener**
2. International Journal of Fuzzy Mathematical Archive, India.- **Associate Editor**

3. Jamal Academic Research Journal: An Interdisciplinary, Tiruchirappalli, India – **Associate Editor**

4. Antarctica Journal of Mathematics, Andhra Pradesh, India - **Member**

5. International Journal of Algorithms, Computing and Mathematics, Chennai, India – **Member**

20. Reviewer of the following journal:

1. Information Sciences, Elsevier
2. Computational and Applied Mathematics Sciences, Elsevier
3. Journal of King Saud University (Science), Elsevier
4. Optimization Letters, Springer
5. Journal of Applied Mathematics and Computing, Sringer
6. Sadhana - Academy Proceedings in Engineering Science, Springer
7. Journal of Mathematical Modelling and Algorithms, Springer
8. Utilitas Mathematica, *An International Journal of Discrete and Combinatorial Mathematics, South Africa*
9. Journal of Mathematical Modelling and Analysis, Taylor & Francis, Lithuania
10. Journal of Combinatorial Mathematics and Combinatorial Computing, Canada
11. The Scientific World Journal, Hidawi, USA.
12. Advances in Fuzzy Systems, Hidawi, USA.
13. Journal of Discrete Mathematics, Hidawi, USA.
14. Annals of Fuzzy Mathematics and Informatics, Kyung Moon Sa Co, Korea
15. World Applied Sciences Journal, International Digital Organization for Scientific Information, Dubai, UAE

21.Ph.D., Thesis Adjudicated:

Year	Name of the University	Title of the Thesis
2010	University of Mysore	A Study on Some Topics in the Theory of Fuzzy Graphs
2011	Kuvempu University	Studies in Fuzzy Automata
2011	Anna University, Coimbatore	A Study on Generalized Regular Fuzzy Matrices
2011	University of Mysore	A Study on Theory of Graphs and Its Applications
2014	Bharathiar University	A Study on Prefilters and Nets in Intuitionistic Fuzzy Topological Spaces
2015	University of Kerala	A Study on N-Policy $M/E_k/1/\infty$ Queueing systems with Multiple Exponential Vacations

2015	Mahatma Gandhi University	Some Properties in Intuitionistic Fuzzy Optimization and Decision making

22. Membership in Academic Body :

1. M.E. Computer science & Engineering in Madurai Kamaraj University, Madurai, 1999–2002 – Board of Studies
2. A.D.M. College for Women (Autonomous), Nagapattinam, Tamil nadu, 2006- 2009 – Board of Studies
3. St. Joseph's College (Autonomous), Tiruchirappalli, Tamilnadu, 2008-2010 – Board of Studies
4. Holy Cross College (Autonomous), Tiruchirappalli, Tamilnadu, 2008-2009 – Board of Studies
5. Kundavai Nachiar Government Arts College for Women (Autonomous), Thanjavur, 2008 – 2010 – Board of Studies
6. Academic Council Member, AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur, 2009- 2012.
7. Academic Council Member, National College (Autonomous), Tiruchirappalli-620 001. 2010 - 2011 – Board of Studies
8. Sri G.V.G.Visalakshi College for Women (Autonomous), Udumalpet-642 128, 2010- 2011 – Board of Studies
9. Raja Serfoji Government Arts College (Autonomous), Thanjavur, 2011 – 2014 – Board of Studies.
10. Bharathidasan University, UG (Mathematics) Board of studies from 01.04.2012 to 31.03.2015.

23. Membership in Autonomous Programme:

1. A.D.M. College for Women (Autonomous), Nagapattinam, Tamilnadu, 2006- Till date
2. St. Joseph's College (Autonomous), Tiruchirappalli, Tamilnadu, 2008-Till date
3. Holy Cross College (Autonomous), Tiruchirappalli, Tamilnadu, 2008-Till date
4. Kundavai Nachiar Government Arts College for Women (Autonomous), Thanjavur, 2008 – Till date
5. National College (Autonomous), Tiruchirappalli-620 001.

24. Guest Lecture:

1. Current Trends & Dotnet, Chidambaram Pillai College for Women, Tiruchirappalli, Tamilnadu, 17, August, 2004.
2. Application of Fuzzy set, National College, Trichy, 05, January, 2006.
3. Fuzzy sets and Fuzzy logic applications, Govt. Women's College, Pudukkottai, Tamilnadu, 18, January, 2006.
4. Fuzzy Logic and its applications, St. Joseph's College (Autonomous), Tiruchirappalli-02, Tamilnadu, 16, February, 2007.
5. Fuzzy applications, Srimad Andavar College, Tiruchirappalli, Tamilnadu, 07, March, 2007.
6. Fuzzy Decision Making, Bishop Heber College, Tiruchirappalli, Tamilnadu, 17 August, 2007.
7. Recent Trend in Mathematics, Holy Cross College, Tiruchirappalli, Tamilnadu, 13 February, 2008.
8. Fuzzy Transportation Problem, PRIST University, Thanjavur, 23 December 2009.
9. Intuitionistic Fuzzy sets, Department of Mathematics(Women Section), Jamal Mohamed College, Tiruchirappalli, 16th October, 2012.
10. Fuzzy Applications, Department of Mathematics, Aiman College of Arts and Science for Women, 2014, Tiruchirappalli-21.

25. Membership of Professional Bodies :

i). Life member in the Indian Society for Technical Education

ii) Life member in Operational Research Society of India

26. Subjects Taught :

Undergraduate	: 1. C Programming
	2. Discrete Mathematics
	3. Numerical Methods
	4. Basic Mathematics
Postgraduate	: 1. Object Oriented Programming – C++
	2. Fuzzy Analysis
	3. Topology
	4. Complex Analysis
M.Phil	: Fuzzy Analysis and applications

27. Orientation / Refresher Courses Attended:

Orientation Course

Attended Orientation course from 20-05-2000 to 16-06-2000, Academic Staff college, Bharathidasan University, Tiruchirappalli.

Refresher Course

1. Attended Refresher Course in Mathematics from 05-06-2003 to 26-06-2003 at Annamalai University, Annamalai Nagar, Tamilnadu.
2. Attended Refresher Course in Mathematics from 31-10-2003 to 20-11-2003 at Annamalai University Faculty of Engg. and Technology Maths Section, Annamalai Nagar, Tamilnadu.

28. Citation by others

Few Listed Below:

S.No.	Cited Paper Title	S.No.	Cited by
1.	H. Maki, K. Chandrasekhara Rao, and A. Nagoor Gani, On Generalizing Semi-open and Preopen Sets, Pure Appl. Math. Sci., 49(1999), 17-29.		**(Cited by 170) Among few given**
		1.	Takashi Noiri and Valeriu Popa, A Unified Theory of Weakly Open Functions, Missouri Journal öf Mathematical Sciences, 3, (2006), 1-18.
		2.	Takashi Noiri and Valeriu Popa, A Unified Theory of Weak Continuity for Multifunctions, Matematica, Nr. 16 (2006), 167-200.
		3.	Arpad Szaz, Minimal structures, generalized topologies, and Ascending systems should not be studied without generalized uniformities, Filomat 21: 1 (2007), 87–97
		4	Takashi Noiri and Valeriu Popa, Minimal structures, punctually *m*-open functions in the sense of Kuratowski and bitopological spaces, Mathematical Communications 12(2007), 247-253
		5.	Takashi Noiri and Valeriu Popa, A Generalization of Some Forms of *g*-Irresolute Functions, European Journal of Pure and Applied Mathematics. Vol. 2, No. 4, 2009, (473-493)
		6.	S. Saranya & A. Parvathi, Gπ Closed

			Sets in Biminimal Structure Spaces, International Journal of Mathematical Archive, 2(11), 2157-2162, 2011
		7.	Supunnee Sompong, The Relation of Boundary and Exterior Sets in Biminimal Structure Spaces, Int. Journal of Math. Analysis, Vol. 6, 2012, no. 6, 285 – 289.
		8.	Jose Sanabria, Ennis Rosas, Carlos Carpintero On regularity and normality via ideal minimal generalized closed sets, Journal of Advanced Research in Pure Mathematics, Vol. 5, Issue. 2, 2013, pp. 46-58
2.	A. Nagoor Gani, M. Basheer Ahamed, Order and size in fuzzy graph, Bulletin of Pure and Applied Sciences 22E (1) (2003) 145–148		**(Cited by 27) Among few given**
		1.	Sunil Mathew and M. S. Sunitha, Node connectivity and arc connectivity of a fuzzy graph, An International Journal of Information Sciences, Volume 180 Issue 4, February, 2010
		2.	N. Vinoth Kumar and G.Geetha Ramani, Product Intuitionistic Fuzzy Graph, International Journal of Computer Applications (0975 – 8887), Volume 28– No.1, August 2011
3.	A.Nagoor Gani and K.Radha, On regular fuzzy graphs, J. Physical Sciences, 12(2008), 33-40		**(Cited by 41) Among few given**
		1.	Talal AL-Hawary, Complete Fuzzy Graphs, International J.Math. Combin. Vol.4(2011), 26-34
		2.	M.G.Karunambigai and R. Parvathi and R. Buvaneswari, Constant intuitionistic fuzzy graphs, NIFS 17 (2011), 1, 37-47
		3.	Muhammad Akram, Bipolar fuzzy graphs, Information Sciences 181 (2011) 5548–5564
		4.	Y. Vaishnaw and S.Sharma, Some Analoges Results On Fuzzy Graphs, Int Jr. of Mathematics Sciences & Applications, pp. 535-539, Vol. 2, No. 2, May 2012.
		5.	Sovan Samanta and Madhumangal Pal, Fuzzy Tolerance Graphs, Int. J Latest Trend Math Vol-1 No. 2, 57 – 67, December 2011

		6.	Muhammad Akram, Wieslaw A. and Dudek, Regular bipolar fuzzy graphs, Neural Comput & Applic (2012) 21 (Suppl 1):S197–S205.
		7.	Sovan Samanta and Madhumangal Pal, Irregular Bipolar Fuzzy Graphs, Inernational Journal of Applications of Fuzzy Sets, Vol. 2 (2012), 91-102
4.	A.Nagoor Gani and K.Abdul Razak, , Two stage fuzzy transportation problem, Journal of Physical Sciences, 10(2006), 63 – 69.		**(Cited by 44) Among few given**
		1.	P. Pandian and G. Natarajan, A New Algorithm for Finding a Fuzzy Optimal Solution for Fuzzy Transportation Problems, Applied Mathematical Sciences, Vol. 4, 2010, no. 2, 79 – 90
		2.	Hadi Basirzadeh, An Approach for Solving Fuzzy Transportation Problem, Applied Mathematical Sciences, Vol. 5, 2011, no. 32, 1549 – 1566
		3.	Amit Kumar, Amarpreet Kaur and Anila Gupta, Fuzzy Linear Programming Approach for Solving Fuzzy Transportation Problems with Transshipment Journal of Mathematical Modelling and Algorithms
		4.	Amit Kumar and Amarpreet Kaur, Application of classical transportation methods to find the fuzzy optimal solution of fuzzy transportation problems, Fuzzy Information and Engineering, Volume 3, Number 1, 81-99, DOI: 10.1007/s12543-011-0068-7
		5.	V. J. Sudhakar and V. Navaneetha Kumar , A Different Approach for Solving Two Stage Fuzzy Transportation Problems, Int. J. Contemp. Math. Sciences, Vol. 6, 2011, no. 11, 517 - 526
		6.	Amarpreet Kaur and Amit Kumar, A new approach for solving fuzzy transportation problems using generalized trapezoidal fuzzy numbers, Applied Soft Computing Volume 12, Issue 3, March 2012, Pages 1201–1213

		7.	Amarpreet Kaur and Amit Kumar, Methods for solving unbalanced fuzzy transportation problems, Int. Journal of Operational Research 2011, DOI: 10.1007/s12351-010-0101-3
		8.	P. Pandian and G. Natarajan, Solving Two Stage Transportation Problems , Control, Computation and Information Systems Communications in Computer and Information Science, 2011, Volume 140, 2.,159-165,
		9.	Amarpreet Kaur and Amit Kumar, Application of Classical Transportation Methods for Solving Fuzzy Transportation Problems, Journal of Transportation Systems Engineering and Information Technology, Volume 11, Issue 5, October 2011, Pages 68–80.
		10.	Amit Kumar and Amarpreet Kaur Optimization for different types of transportation problems with fuzzy coefficients in the objective function, Journal of Intelligent and Fuzzy Systems, Vol. 23, No. 5, pp. 237-248, 2012
5	A.Nagoor Gani & J.Malarvhzi Isomorphism on Fuzzy Graph		**(Cited by 27) Among few given**
		1.	Veena Mathad and B. Sharada, On Fuzzy Middle Graph, Advances and Applications in Discrete Mathematics Volume 9, Issue 1, Pages 57 - 64 (April 2012)
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