



RESUME

1. **Name** : Dr. R.JAHIR HUSSAIN
2. **Sex** : Male
3. **Date of Birth** : 23-02-1968
4. **Designation** : Associate Professor
5. **Address** :

Residential

169, Darul Hikma
J.K. Nagar Khajamalai
Tiruchirappalli – 620 023
Tamil Nadu India.
E-mail:hssn_jhr@yahoo.com.
Cell: +919443836946

Office

P.G & Research Department of Mathematics
Jamal Mohamed College (Autonomous)
Tiruchirappalli – 620 020.
Tamil Nadu, India.
Tel: 0431 2331035

6. Teaching Experience As

On 01-03-2020

: Under Graduate : 24 Years 01 Month 28 Days
Post Graduate : 24 Years 01 Month 28 Days
M.Phil. : 18 Years

7. Educational Qualifications

:

S.No.		Examination Passed	Year of Passing
1	Master's Degree	M.Sc., (Mathematics)	1990
		M.Ed	1995
2	Research degree	M.Phil.,	1993
		P.hd	2009
3	Any other degree/ Diploma/ Certificate	PGDCA	1995
4	Eligibility Test	SLET	1991

8. Areas of Specialization : Graph Theory and Fuzzy Graph Theory

9. Languages Known : Tamil & English.

10. Research Supervision :

Ph.D Degree - Awarded - 10

Submitted -1

Pursuing –4

S.No.	Name of the candidate	Title of the thesis	University where the work was carried out	Date of viva - voce
1	P. JAYARAMAN	A Study On The Transportation Problems Under Fuzzy Environment	Jamal Mohamed College, Bharathidasan University, Trichy-20.	11-03-2015
2	S.YAHYA MOHAMED	Some Contributions To Fuzzy Graphs and Intuitionistic Fuzzy Graphs	Jamal Mohamed College, Bharathidasan University, Trichy-20.	13-06-2015
3	A. MURALIRAJ	Fixed Point Theorems In Dislocated and Partial Metric Spaces	Jamal Mohamed College, Bharathidasan University, Trichy-20.	08-07-2015
4	V.SHANTHOSHINI DEVIHA	Applications of Fractals in Medicine.	Jamal Mohamed College, Bharathidasan University, Trichy-20.	01-08-2015
5	T.SENTHIL KUMAR	Fixed Point Theorems For Various Contraction Mappings In Complex Valued Metric Spaces, Dislocated And Partially Ordered Metric Spaces	Jamal Mohamed College, Bharathidasan University, Trichy-20.	15.10.2016
6	P.SENTHIL KUMAR	Algorithmic Approach For Solving Allocation Problems Under Intuitionistic Fuzzy Environment	Jamal Mohamed College, Bharathidasan University, Trichy-20	15.03.2017
7	K.S. KANZUL FATHIMA	A STUDY ON VARIOUS COLORINGS IN FUZZY GRAPHS	Jamal Mohamed College, Bharathidasan University, Trichy-20	13.10.2018
8	S. AMEENA BANU	Changing and Unchanging Domination in Fuzzy Graph	Jamal Mohamed College, Bharathidasan University, Trichy-20	18.06.2019
9	Mr. R. M. KARTHIK KEYAN	FUZZY NON-BONDAGE AND FUZZY GRACEFUL GRAPHS	Jamal Mohamed College, Bharathidasan University, Trichy-20	07.07.2019
10	Mr. K.SAMPATH	STUDIES ON DOUBLE – FRAMED FUZZY TECHNIQUES IN ALGEBRA	Jamal Mohamed College, Bharathidasan University, Trichy-20	21.09.2019

M.Phil Degree – Thesis Completed – 43

Pursuing – 4

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

- 1) ‘Fuzzy Independent Dominating Set’, advances in fuzzy sets and systems,2(1) 2007,99-108.
- 2) “Effective Fuzzy Euler and Fuzzy Hamiltonian Graph”, International Review Of Fuzzy Mathematics, Vol 3 (1), June 2008 Pp 55 – 68.
- 3) “Connected and Global Dominations of Fuzzy Graphs” .bulletin of pure and applied sciences vol,27 (no.2) 2008; pp 255 – 265.
- 4) “Fuzzy Effective Distance k – Dominating sets and their applications”, The international journal of algorithms, computing and mathematics, vol2 number 3, august 2009, 25 – 36.

- 5) "The Transportation Problem in an Intuitionistic Fuzzy Environment", International Journal of Mathematics Research. Volume 4, Number 4 (2012), pp. 411-420.
- 6) "Bounds on Fuzzy Double Domination Number of Fuzzy Trees", Heber International Conference on Applications of Mathematics and Statistics, Vol. 1, pp. 457 -459, 2012.
- 7) "Algorithmic Approach For Solving Intuitionistic Fuzzy Transportation Problem", International Journal Of Applied Mathematical Sciences, Hikari Ltd, Bulgaria, Vol.6, No.80,3981-3989,2012.
- 8) "Transportation problem with the aid of triangular Intuitionistic Fuzzy numbers", International Conference on Applications of Mathematical modeling and soft computing vol.1 pp 819-825,2012.
- 9) "Analysing the invasiveness of skin cancer using fractals", International Journal Of Engineering Research and Applications ,vol.II,No.5,pp 2068-2075,2012.
- 10) " Fractal Modeling Of Scale Free Network In Biology", International Journal Of Mathematical Archive,Pp.01-04,2012.
- 11) "Modeling Blood Flow In The Blood Vessels Of The Cardiovascular System Using Fractals", International Journal Of Applied Mathematical Sciences, Hikari Ltd, Bulgaria, Vol.7, No.11,527-537,2013.
- 12) "Generalized Fixed Point Theorems in Dislocated Metric Spaces", International Journal of Mathematical Sciences and Engineering Applications, Vol.7,No.III, pp. 61-67, 2013.
- 13) "Some Common fixed Point Theorems in Dislocated Metric Spaces", International Journal of Mathematical Sciences and Engineering Applications, Vol.7,No.III, pp.231-240,2013.
- 14) "An Optimal More-for-Less Solution of Mixed Constraints Intuitionistic Fuzzy Transportation Problems", International Journal of Applied Mathematical Sciences, Hikari Ltd., Bulgaria. Vol. 8, No. 12, 565-576, 2013.
- 15) "Evaluating the Blood Flow in the Blood Vessels of the Dog Using Fractals", International Journal of Research Explorer, Vol.2,No.6, pp.35-38, 2013.
- 16) "New Results On Fixed Point Theorems in Dislocated Quasi - Metric Spaces", Int Jr. of Mathematical Sciences & Applications Vol. 3, No. 1, pp. 321-326, January 2013.
- 17) "A New Method for Obtaining an Optimal Solution for Fuzzy Transportation Problems", International Journal of Mathematical Archive-4(11), pp.256-263, Nov 2013.
- 18) "Fuzzy Optimal Assignment Problems via Robust Ranking Techniques", International Journal of Mathematical Archive-4(11), pp.264-269, Nov 2013.
- 19) "Fuzzy Optimal Solution to Fuzzy Transportation Problem: Squaring Method", International Journal of Mathematical Archive-4(12), pp.1-7, Dec 2013.
- 20) "Common Fixed Point Theorems of Bivariate and Self Maps in d-metric Spaces", Global Journal of Pure and Applied Mathematics. Volume 9, Number 4, pp. 369-378, 2013.
- 21) "Coincidence and Fixed Point Theorems for Expansive Maps in d-metric Spaces", Int. Journal of Math. Analysis, Vol. 7, no. 44, pp. 2171 – 2179, 2013.
- 22) "New Solution of Vector Fuzzy Transportation Problem in Interval Integer Form", IOSR Journal of Mathematics (IOSR-JM), Volume 9, Issue 2 PP 47-51 , (Nov. – Dec. 2013).

- 23) "Fuzzy Optimal Transportation Problems by Improved Zero Suffix Method via Robust Rank Techniques", International Journal of Fuzzy Mathematics and Systems. Volume 3, pp. 303-311, Number 4 (2013).
- 24) "Fixed Point Theorems with Implicit Function in Metric Spaces", Int. J. Contemp. Math. Sciences, Vol. 8, no. 17, pp. 833 – 841, 2013.
- 25) " Fuzzy Transportation Problem Using Improved Fuzzy Russells Method", International Journal of Mathematics Trends and Technology – Volume 5 – January pp.50-59, 2014.
- 26) "Irregular Intuitionistic fuzzy graph, IOSR Journal of Mathematics (IOSR-JM)", Volume 9, Issue 6 PP 47-51 (Jan. 2014).
- 27) "New Dislocated Quasi-Metric Spaces", International J. Of Math. Sci. & Engg. Appls. (IJMSEA) .Vol. 8 No. I Pp. 213-221 (January, 2014).
- 28) " Fractal Modeling of Retinal Blood Vessel System", International Journal Of Computers & Technology, pp. 3734-3741, Feb,2014.
- 29) "A Method for Solving Balanced Intuitionistic Fuzzy Assignment Problem", Int. Journal of Engineering Research and Applications, Vol. 4, Issue 3(Version 1), pp.897-903, March 2014.
- 30) "Isomorphism On Irregular Intuitionistic Fuzzy Graphs And Its Complements", IOSR Journal of Mathematics (IOSR-JM),. Volume 10, Issue 2 Ver. II PP 149-154, (Mar-Apr. 2014).
- 31) " Coupled Fixed Point Theorems For Contractive Condition In Partially Ordered Metric Space", International J. of Pure & Engg. Mathematics (IJPEM) Vol. 2 No. I pp. 31-37, (April, 2014).
- 32) "Fractal Dimensional, International Journal of Scientific and Research Publications", Volume 4, Issue 4, April 2014 .
- 33) "Irregularity and Density of Irregular Intuitionistic Fuzzy Graphs", IOSR Journal of Mathematics (IOSR-JM), Volume 10, Issue 3 Ver. II PP 63-68 (May-Jun. 2014).
- 34) "More On Irregular Intuitionistic Fuzzy Graphs And Its Complements", Discovery ,Vol 21(68) pp-101-107, July 2014.
- 35) "Semi Global Dominating Set of Intuitionistic Fuzzy graphs", IOSR Journal of Mathematics (IOSR-JM), Volume 10, Issue 4 Ver. II PP 23-27 (Jul-Aug. 2014).
- 36) "Some Coupled Fixed Point Theorems In Dislocated Quasi Metric Spaces", IOSR Journal Of Mathematics (IOSR-JM) Volume 10, Issue 4 Ver. VI (Jul-Aug. 2014), PP 00-00 .
- 37) "Common Fixed Point Theorems For Contractive Type Mappings In Complex Valued Metric Spaces", International Journal Of Science And Research (IJSR), Volume 3 Issue 8, August 2014.
- 38) "Global Domination Set In Intuitionistic Fuzzy Graph", International Journal of Computational Engineering Research (IJCER), vol4, sep-2014.
- 39) "A Study On Point Set Domination Of Intuitionistic Fuzzy Graphs", IOSR Journal of Mathematics (IOSR-JM).. Volume 10, Issue 5 Ver. III PP 97-101 (Sep-Oct. 2014).
- 40) "Coupled Fixed Point Theorems For Contractive Type Mappings In Dislocated Metric Spaces", IOSR Journal Of Mathematics (IOSR-JM) Volume 10, Issue 6 Ver. V, PP 64-66(Nov - Dec. 2014).

- 41) "Some Fixed Point Theorems For Cyclic Contractions In Dislocated Quasi-Metric Spaces", Volume : 3 | Issue : 11 | November 2014 • ISSN No 2277 – 8179.
- 42) "A Systematic Approach For Solving Mixed Intuitionistic Fuzzy Transportation Problems", International Journal of Pure and Applied Mathematics Volume 92 No. 2 pp.181-190, 2014.
- 43) "New Algorithm For Solving Mixed Intuitionistic Fuzzy Assignment Problem", Elixir International Journal, Applied Mathematics, 73 ,pp.25971-25977, (2014).
- 44) "Some Fixed Point Theorems In Dislocated Metric Spaces", Pure Mathematical Sciences, Vol. 3, no. 1, pp. 35 – 43, 2014.
- 45) "Generalized Fixed Point Theorems In Dislocated Quasi - Metric Spaces", Advances in Inequalities and Applications, 2014:17, 2014.
- 46) "Existence and Uniqueness of Fixed Point Theorems in Partially Ordered Metric Spaces", Bulletin of Society for Mathematical Services and Standards, Vol. 3 No.1(2014), pp.13-19.
- 47) "Some Coupled Fixed Point Theorems in Partially Ordered Metric Space", Global Journal of Mathematical Sciences: Theory and Practical. Volume 6, Number 1 pp. 19-24, (2014).
- 48) "Complementary Nil Domination in Intuitionistic Fuzzy Graph", International Mathematical Forum, Vol. 9, no. 23, 1101 – 1108, 2014
- 49) "Properties on Irregular Intuitionistic Fuzzy Graphs (IIFG)", Applied Mathematical Sciences, Vol. 8, no. 8, 379 – 389 2014.
- 50) "Semi Global Dominating Set in Fuzzy Graphs", Intern. J. Fuzzy Mathematical Archive Vol. 4, No. 2, 104-111 2014.
- 51) "Common Fixed-Point Theorem For Generalized Contractive Type Mappings In Complex Valued Metric Spaces", J. Math. Comput. Sci. 4 No. 4, 639-648 (2014)
- 52) "Fuzzy Chromatic Number Of Different Types Of Fuzzy Graph" Elsevier Publications, pp.439-462. 2014
- 53) "Common Coupled Fixed Point Theorem For Contractive Type Mappings In Closed Ball Of Complex Valued Metric Spaces", Adv. In equal. Appl., 2014:34, 2014.
- 54) "Computationally Simple Approach For Solving Fully Intuitionistic Fuzzy Real Life Transportation Problems", International Journal of System Assurance Engineering and Management. Jan 2015
- 55) "Point Set Domination of Intuitionistic Fuzzy Graphs", Intern. J. Fuzzy Mathematical Archive, Vol. 7, No. 1, 2015,43-49, Published on 22 January 2015.
- 56) "On Solving Traffic Light Problem Using Fuzzy Coloring", proceeding in International conference on mathematical methods and computation, jan-2015, 618-612
- 57) "On Fuzzy Dominator Coloring In Fuzzy Graphs", Applied mathematical science Vol9,2015,no-23.1131-1137
- 58) "A Method For Finding An Optimal Solution Of An Assignment Problem Under Mixed Intuitionistic Fuzzy Environment", International Conference on Mathematical Sciences, pp. 417-421.
- 59) "Common Fixed Point Theorems In Complex Valued Metric Spaces", (IJIRSE) International Journal Of Innovative Research In Science & Engineering, ISSN (Online) 2347-3207.
- 60) "Connected Eccentric Domination Number in Graphs", International Journal of Innovative Trends in Engineering (IJITE) Volume-04, Number-01, 2015.

- 61) "Characterization of Fuzzy Non-Bondage Number of Fuzzy Graphs" Mathematical Sciences International Research Journal, Volume 4 Issue 2 (2015).ISSN 2278-8697.
- 62) "A Study On Fuzzy Coloring In Fuzzy Graphs", Advances in fuzzy Mathematics, Volume 10. Number 2, 2015 pp.109-116.
- 63) "A Method For Solving Unbalanced Intuitionistic Fuzzy Transportation Problems", Notes on Intuitionistic Fuzzy Sets, Vol,21,2015, ISSN 1310-4926.
- 64) "Fuzzy Dominator Chromatic Number of Bipartite Middle and Subdivision Fuzzy Graph", International journal of mathematics and system.Vol 5, pp:99-106,ISSN 2248-9940, 2015.
- 65) "Fuzzy Chromatic Number of Middle and Subdivision and Total Fuzzy Graph", International Journal of mathematical Archive,pp:90-94, ISSN 2229-5046,2015.
- 66) "Fuzzy Chromatic Number of Operation on Fuzzy Graphs", Annals of Pure and Applied Mathematics, Vol 11, pp: 93-98, ISSN 2279-087, Jan 2016.
- 67) "An Introduction to Fuzzy Edge Coloring ", Journal of Advances in Mathematics, Vol 11, No10 ,pp: 5742-5748,Jan 2016.
- 68) "Solving Fuzzy Game Problem Using Hexagonal Fuzzy Number", Journal of Computer, vol1,pp;53-59, ISSN 2518-6205, July 2016.
- 69) "Further Results On Connected Eccentric Domination Number In Graphs", Advances And Applications In Discrete Mathematics, Vol-17 no: 3 pp 243-254 , ISSN 0974-1658, 2016.
- 70) "Characterization Of Fuzzy Block Using Non- Bondage Arc", International Journal Of Applied Engineering Research,Vol11 No1,ISSN 0973-4562, 2016
- 71) " Fuzzy Graceful Graphs", Advances in Fuzzy Mathematics, Vol-12, pp.309-317 ISSN 0973-533X.2017
- 72) "The Co-bondage (Bondage) Number of Fuzzy Graphs and Its Properties", Malaya Journal of Matematik, Vol-5(3), pp-483-493, ISSN:2319-3786,2017.
- 73) "The K_p - Bondage And K_p - Non Bondage Number Of Fuzzy Graphs And Graceful Graph", IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Vol 12,(3),PP 10-20,2017
- 74) "Triple Connected Domination Number of A Bipolar Fuzzy Graph", International Journal For Research in Applied Science & Engineering Technology, Vol-5(8) ,ISSN:23219653,2017
- 75) "Weak Domination Alteration Sets in Fuzzy Graphs", Intern.J.Fuzzy Mathematical Archive,Vol-12(01) ISSN 2320-3242.(2017)
- 76) "Domination Stability in Fuzzy Graphs", Global Journal of Pure and Applied Mathematics,Vol-13(10) ISSN 0973-1768, 2017
- 77) "Critical and Stability concept for Strong Dominating set in Fuzzy Graphs" International Journal of Mathematical Archive-8(10),2017.ISSN 2229-5046.
- 78) "Domination Subdivision Stable Fuzzy Graph" International Journal of Pure and Applied Mathematics , Volume 117 No.12 2017, 155-161. ISSN 1314-3395.
- 79) "Domination in Fuzzy Soft Graphs" International Journal of Fuzzy Mathematical Archive,Vol-14 No 2,Page 243-252 (2017) ISSN 2320-3250.
- 80) " A study on bondage and non bondage number of fuzzy graphs and graceful graphs" Journal of global research in mathematical archive Vol-4 No 10,Page 50-57 (2017) ISSN 2320-5822.

- 81) “ Lattice Structures Of Double-Framed Fuzzy Soft Lattices” Specialty Journal of Engineering and Applied Science Vol -3(3) Page 10-21 ,.2017.ISSN No.2520-5943
- 82) “Application of Double – Framed Soft Ideal Structures over Gamma Near Rings’ Global Journal of Pure and Applied Mathematics. Vol 13,Number 9(2017),pp.5101-5113. Issn 0973-1768
- 83)“Domination Dot-Critical Fuzzy Graph” International Journal of Mathematical Archive-9(1), page 2018, 54-57 ISSN 2229 – 5046.
- 84) “Cyclic coupled fixed point theorem in complex valued metric spaces” International Journal Mathematical Archive. Vol-9 No 1,Page 130-134 (2018) ISSN 2229-5046.
- 85) “Total Domination Node Critical and Stable Fuzzy Graphs” International Journal of Pure and Applied Mathematics. Vol 118 No 6 2018, PP 381-387. ISSN 1311-8080.
- 86) “Double-Framed Fuzzy Soft Version Of G-Modular Structures” Asian Journal of Science and Technology. ISSN: 0976-3376. Vol. 09, Issue, 02, pp.7439-7446, February, 2018.
- 87) “Double-Framed Soft Version of Chain Over Distributive Lattice” International Journal of Computational Engineering Research (IJCER) ISSN (e): 2250 – 3005 Volume, 08 Issue, 2 February – 2018 .
- 88) “A New Aspect Of Double-Framed Normal Fuzzy Soft Ideal Structures Over Hemi Rings” IOSR Journal of Engineering (IOSRJEN) ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 08, Issue 3 (March. 2018), PP 01-10
- 89) “Critical and Stability of Domination in Fuzzy Graphs” International Journal of Applied Engineering Research. ISSN 0973-4562 Volume 13,Number 6(2018)pp:3688-3691.
- 90) “Various domination parameters of Single valued neutrosophic graphs” International Journal of Research advent Technology Issn 2321 9637 volume number 7, Number.1, January (2019)pp 174-182.
- 91) “1-Edge magic labeling of splitting graph” International journal of applied engineering research. Print ISSN 0973-4562, volume number 14, Number.3, January (2019) special issue pp 60-63.
- 92) “A review on Q-fuzzy subgroups in algebra” International journal of applied engineering research. Print ISSN 0973-4562, volume number 14, Number.3, January (2019) special issue pp 83-86.
- 93) “Implementation of Fuzzy Logic for M/M/C Model in Packet Switched Network Using HoL Priority Queue” International Journal of Research in Advent Technology, Vol.7, No.2, February 2019 .E-ISSN: 2321-9637.
- 94) “Operations on Dombi Bipolar Fuzzy Graphs Using T-Operator” International Journal of Research in Advent Technology, Volume number.7, No.5, May 2019. Pp 381-387 .E-ISSN: 2321-9637.
- 95) “ Interval Valued Neutrosophic Bipolar Vague Sets” International Journal of Emerging Technologies and Innovative Research. Volume Number 28, 2019. Pp 519-526. E ISSN: 2349-5162
- 96) “Neutrosophic Bipolar Vague Set and its Application to Neutrosophic Bipolar Vague Graphs”, Neutrosophic Sets and Systems, vol. 28, 2019, pp. 69-86. DOI: 10.5281/zenodo.3387802 ISSN 2331-6055
- 97) “Domination Number in Neutrosophic Soft Graphs” , Neutrosophic Sets and Systems, vol. 28, 2019, pp. 228-244. DOI: 10.5281/zenodo.3382548 ISSN 2331-6055
- 98) “On Neutrosophic Vague Graphs “, Neutrosophic Sets and Systems, vol. 28, 2019, pp. 245-258. DOI: 10.5281/zenodo.3382550 ISSN 2331-6055

Subjects Taught

:

Under Graduate : Graph Theory, Differential Equations and Complex Analysis

Post Graduate : Graph Theory , Complex Analysis

M.Phil. : Graph Theory.

12. Seminars / Conferences Organized:

- 1) Organized a one day National Seminar on **Applications of Mathematics**, 22nd February 2012, PG and Research Department of Mathematics, Jamal Mohamed College(Autonomous), Tiruchirappalli-20 ,under UGC AUTONOMOUS Grant.
- 2) Organized a one day state level inter collegiate meet on 27th February 2014, PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 .
- 3) Organized Six days Workshop on Research Methodology and SPSS, from 20th to 25th October 2016, PG and Research Department of Mathematics, Jamal Mohamed College(Autonomous), Tiruchirappalli-20 ,under UGC AUTONOMOUS Grant.
- 4) Acted as a Coordinator in the International Conference on Mathematical Methods and Computation (ICOMAC 2017) Organized by the P.G & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-2017 is held on 11th December 2017.
- 5) Acted as a Coordinator in the International Conference on Mathematical Methods and Computation (ICOMAC 2019) Organized by the P.G & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 is held on 20 and 21st February 2019.
- 6) Acted as a Coordinator in the International Conference on Mathematical Methods and Computation (ICOMAC 2020) Organized by the P.G & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 is held on 19th February 2020.

13. Conference / Seminar Attended Without Presenting Papers:

- 1) National seminar on **Recent Developments In Mathematical Applications**, 1st and 2nd February 2002, SRI G.V.G. Visalakshi college for women, Udumalpet.
- 2) National seminar on **The Era Of Globalization And Its Implications-Emerging Issues And Concerns: Canada And India**, 27, 28 and 29th March 2003, PG and Research Department of Commerce, Jamal Mohamed College, Trichy.
- 3) State level seminar on **Mathematical Methods In Social Sciences** 8th and 9th September 2004, PG and Research Department of Mathematics, Jamal Mohamed College, Trichy.
- 4) National seminar on **Mathematical Modeling To Social And Management Problems**, 24th, 25th September 2004, ADM College for Women, Nagappattinam.
- 5) National Seminar on **Application To Graph Theory**, 10th and 11th February 2005 Yadava College, Madurai.
- 6) National Seminar on **Algebraic And Analytic Methods**, 19th and 20th march 2005, Alagappa University, Karaikudi.
- 7) Regional workshop on **Computer Applications In Research In Social Science**, 14th to 20th November 2005 PG and Research Department of Commerce, Jamal Mohamed College, Trichy.

- 8) State level seminar on **Mathematical Methods And Fuzzy Applications**, 27th February 2006, PG and Research Department of Commerce, Jamal Mohamed College, Trichy.
- 9) Workshop on **Curriculum Development And Evaluation** 2nd to 4th March 2006, Jamal Mohamed College, Trichy.
- 10) National level winter school on **Advanced Statistical Tools In Research: Hands-On Experience With Statistical Software**, 22nd to 27th October 2007, Cauvery college for women, trichy.
- 11) National conference on **Fuzzy Mathematics And Graph Theory** 27th and 28th march 2008, PG and Research Department of Mathematics, Jamal Mohamed College, Trichy.
- 12) Participated in the Workshop on **Software Tools In Mathematical Modeling**, Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20, under Autonomous grant, 28.02.2009 to 04.03.2009.
- 13) Participated in the UGC Sponsored International conference on **Mathematical Methods And Computation** Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 during July 24-25, 2009.
- 14) Participated in the UGC sponsored State Level Seminar on **Examination Reforms** Organized by, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on March 12- 2010.
- 15) Participated in the UGC Sponsored National Seminar on **Graph Theory Algorithms And Modelling** Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on March 19-2010.
- 16) Participated in the UGC and DST Sponsored International workshop on **Graph Coloring And Its Applications** Organized by PG and Research Department of Mathematics, Bharathidasan University, Tiruchirappalli-24 during August 07-09, 2010.
- 17) Participated in the UGC Sponsored workshop on **Mathematical Modeling** Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 during January 19-25, 2011.
- 18) Participated in the **All India Workshop On Research Methodology And Technology Management In Higher Education**, Academic Staff College, Pondicherry University, Pondicherry during 14.03.2013 & 15.03.2013.
- 19) Participated in the Faculty development Programme on **Innovative Teaching Techniques For 21st Century Learners** , Gnanam School of Business, Thanjavur on 25.10.2013.
- 20) Participated in the **Quality Research Report Writing Workshop Curriculum Development Cell** , Bharathidasan University, Tiruchirappalli on 28.02. 2014
- 21) Participated in the Workshop on **Latex And SPSS**, Organized by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli-20 on 26.09.2014 - 1.10.2014.
- 22) Participated in the **Short Term Course On SPSS Hands On Training (Social Sciences)**, Organized by UGC – Academic Staff College, Bharathiar University Coimbatore on 7.10.2014 to 12.10.2014.
- 23) Participated in the **“The Role of a Teacher in the Present Scenario”** Organized by the Internal Quality Assurance Cell of the Jamal Mohamed College, Tiruchirappalli-20 on 03.12.2014 - 1.10.2016.
- 24) Participated in the **“Global Coins, Bank Notes, Stamps & Antiques Exhibitions”** Organized by Rotaract Club of Jamal Mohamed College, Tiruchirappalli-20 on 06.01.2017.
- 25) Participated in the Three-Days **“NLP- Based Faculty Empowerment Programme”** Organized by Internal Quality Assurance Cell of the Jamal Mohamed College, Tiruchirappalli-20 on 17.06.2017 - 20.06.2017.

- 26) Participated in the Two-Days “**NLP- Foundation Workshop Master Yourself with NLP**” Organized by Master Yourself Academy, Tiruchirappalli-20 on 26.09.2018 - 27.09.2018.
- 27) Participated in the One-Days “**PROMOTION OF API SCORE AND CAS FILING**” Organized by Training and Placement Cell and Internal Quality Assurance Cell, Periyar E.V.R College .Tiruchirappalli-23 on 09.01.2019.
- 28) Participated in the Two-Days “**Professional Development for Academic Leadership in Curriculum Design**” Organized by Curriculum Development Cell, Jamal Mohamed College. Tiruchirappalli-20 on 18.01.2019 - 19.01.2019.
- 29) Participated in the “**Orientation Programme on Preparing Course Outcomes in Curriculum Design**” Organized by Curriculum Development Cell, Jamal Mohamed College. Tiruchirappalli-20 on 03.01.2020.
- 30) Participated in the “**International Workshop on Python Programming**” Organized by PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli-20 on 18.02.2020.

14. Conference / Seminar Attended And Presenting Papers:

- 1) Presented a paper on **Analysis Of Skin Cancer Using Fractals** in the UGC Sponsored National Seminar on Applications of Mathematics Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 On 22.02.2012.
- 2) Presented a paper on **Operations In Triangular Intuitionistic Fuzzy Numbers** in the UGC Sponsored National Seminar on Applications of Mathematics Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 On 22.02.2012.
- 3) Presented a paper **On Double Domination Number Of Fuzzy Graphs** in the UGC Sponsored National Seminar on Applications of Mathematics Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 On 22.02.2012.
- 4) Presented a paper on **A Study of Fuzzy Open Domination Number With Double Domination Number of Fuzzy Graphs**, National Seminar on Discrete Mathematics and Its Applications, 09th March 2013.
- 5) Presented a paper on **Evaluating The Cardiovascular Diseases In Dogs Using Fractal**, International Conference on Mathematical Methods and Computation, Organized by PG and Research Department of Mathematics, Jamal Mohamed College Tiruchirappalli-20 On 13th and 14th Feb 2014.
- 6) Presented a paper on **Hungarian Method Of Solving Intuitionistic Fuzzy Assignment Problem**, 3rd International Conference on Competency Building Strategies in Business and Technology for Sustainable Development, Organized by Sri Ganesh School of Business Management Salem on 25.02.2014.
- 7) Presented a paper on **On Uniquely Fuzzy Colorable Graphs**, National conference, Holy Cross College, March-2014.
- 8) Presented a paper on **Fuzzy Chromatic Number Of Different Types Of Fuzzy Graphs**, International conference on mathematical science, July 2014, 439-442.
- 9) Presented a paper on **On Solving Traffic Light Problem Using Fuzzy Coloring**, proceeding in International conference on mathematical methods and computation, Jan-2015, 618-612.
- 10) Presented a paper on **Point Set Domination of Intuitionistic Fuzzy Graph**, proceeding in International conference on mathematical methods and computation, Jan-2015, 618-612.
- 11) Presented a paper on **The Co-Bondage and Non – Bondage Number On Fuzzy Graphs** in the International Conference on Innovations in Engineering Technology and Science (ICIETS-2017) in Ramakrishnan College of Engineering Samayapuram held on 24th and 25th February 2017.

- 12) Presented a paper on **Triple Connected Domination Number of a Bipolar Fuzzy Graphs** in the International Conference on Innovations in Engineering Technology and Science (ICIETS-2017) in Ramakrishnan College of Engineering Samayapuram held on 24th and 25th February 2017.
- 13) Presented a paper on **Strong Domination Critical and Stability in Fuzzy Graphs** in the International Conference on Innovations in Engineering Technology and Science (ICIETS-2017) in Ramakrishnan College of Engineering Samayapuram held on 24th and 25th February 2017.
- 14) Presented a paper on “**Domination Subdivision Stable Fuzzy Graph**”. International Conference on Advances in Applicable Mathematics (ICAAM2017) in Bharathiar University, Coimbatore-46., held on 7-8 December 2017.
- 15) Presented a paper on **Domination in Fuzzy Soft Graph** International Conference on Mathematical Methods and Computation (ICOMAC 2017) in Jamal Mohamed College, Trichy, held on 11th December 2017.
- 16) Presented a paper on **Total Domination node critical and Stable Fuzzy Graphs** International Conference on Mathematical Methods and Computation (ICOMAC 2017) in Jamal Mohamed College, Trichy, held on 11th December 2017.
- 17) Presented a paper entitled as “**Domination Dot-Critical Fuzzy Graph**” in the International Conference on Intuitionistic Fuzzy Sets and Systems (ICIFSS-2018), held at Vellalar College for Women, Erode on 08-10 January 2018.
- 18) Presented a paper entitled as “**1-Edge Magic Labeling of Splitting Graph**” in the International Conference on Mathematical Modeling, Analysis and Computing (MMAC-2018), held at Thiruvalluvar University, Vellore-632 115 on 13-14 December 2018.
- 19) Presented a paper entitled as “**A Review on Q-Fuzzy Groups In Algebra**” in the International Conference on Mathematical Modeling, Analysis and Computing (MMAC-2018), held at Thiruvalluvar University, Vellore-632 115 on 13-14 December 2018.
- 20) Presented a paper entitled as “**Various domination parameter of Single Valued Neutrosophic Graphs**” in the International Conference on Mathematical Modeling, Analysis and Computing (MMAC-2018), held at Thiruvalluvar University, Vellore-632 115 on 13-14 December 2018.
- 21) Presented a paper entitled as “**Weight and Domination of Intuitionistic Fuzzy soft Graphs with the product Domination.**” in the International Conference on Mathematical Methods and Computation (ICOMAC-2019), held at Jamal Mohamed College , Tiruchirappalli 620 020 on 20-21 February 2019.
- 22) Presented a paper entitled as “**Fuzzy Chromatic Number of Fuzzy Soft Graphs**” in the International Conference on Mathematical Methods and Computation (ICOMAC-2020), held at Jamal Mohamed College , Tiruchirappalli -20 on 19th February 2020.
- 23) Presented a paper entitled as “**Prime Edge Magic Labeling For Some Graphs**” in the International Conference on Mathematical Methods and Computation (ICOMAC-2020), held at Jamal Mohamed College , Tiruchirappalli -20 on 19th February 2020.

15. Resource Person/ Chair Person

- 1) House Listing and Population Enumeration, Govt. of India, Ministry of Home Affairs, Census 2011, Department of Census Operations, Tiruchirappalli City Corporation, 28.01.2011,29.01.2011 and 05.02.2011.
- 2) Applications of Graph Theory, a special lecture, Organized by the Department of Mathematics, Holy Cross College Trichy on 09. 08.2011

- 3) Fractal Modeling in Medicine, State Level Seminar in Recent Trends in Mathematics, A.V.C.College Mayiladurai, 28-02-2013.
- 4) Graph Theory and its Applications, Valedictory Address to the Mathematics Association, Theivanai Ammal College For Women, Villupuram on March -2013.
- 5) Chairperson in National Seminar on Discrete Mathematics and Its Applications, 09th March 2013.
- 6) Application on Graph Theory In Real Life One Day at Seminar Selvam Arts Science College (Autonomous) Namakkal, on 7th August 2014.
- 7) Application of Graph Theory, one day seminar at The New College Chennai on 29th Jan-2015 .
- 8) Domination in Graph Theory, one day seminar on contemporary trends in mathematics at Holy Cross (Autonomous) Trichy on 9th Feb-2015.
- 9) Special Lecture On Domination In Graph Theory at Meenakshi Chandrasekaran college of arts and science , Pattukkottai on 23rd Feb-2015.
- 10) National Science day celebration, Tamil Nadu Science forum students Branch, Trichy District on 28.02.2017.
- 11) Successor of Success, One Day Seminar Organized by PG & Research Department of Mathematics ,Holy Cross College Trichy on 20. 09.2017.
- 12) National Science day celebration, Tamil Nadu Science forum students Branch, Trichy District on 28.02.2017.
- 13) National Science day celebration, Tamil Nadu Science forum students Branch, Trichy District on 28.02.2018.
- 14) Graph Theory and its Applications , One Day seminar on “SMART SEMINAR ON MATHEMATICS FOR COMMUNICATION ENGINEERS” Organized by Department of Electronics and Communication & Department of Mathematics at Mahendra Engineering College , Mallasamudram. ,Namammakkal is held on 11.03.2018.
- 15) UGC assisted Guest Lecture on “Research Awareness Program for PG Mathematics Students” Organized by P.G & Research Department of Mathematics, AVC College, Mayiladuthurai, is held on March 15,2018.
- 16) Chief Guest on “Maths carnival and Ramunajan 131 Birth day Celebration ” Organized by P.G & Research Department of Mathematics, Padamavani Arts and Science College for Women, Saelam, is held on December 22,2018.
- 17) Chairperson in the International conference on Mathematics Methods and Computation (ICOMAC 2019) Organized by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli-20 is held on 20 and 21st February 2019.
- 18) Guest of Honour on “Inter Collegiate Competition Infinity Minds Infinity Minds 2k19” Organized by PG & Research Department of Mathematics, Urumu Dhanalakshmi College is held on 4th March 2019.
- 19) Guest Lecture on “Application of Graph Theory” In the Mathematics Association Meeting Organized by P.G & Research Department of Mathematics, Periyar E.V.R College (Autonomous) Trichy-23. Is held on 09th March 2019.
- 20) Resource person on “ 27th National Children’s Science Congress-2019” Organized by Tamilnadu Science Forum is held on SBOIA Higher Secondary School- Trichy on 03.11.2019.
- 21) Acted as a Jury in the event MATH ENTERPRENEUR in the “Math-O-Vision” Organized by PG& Research Department of Mathematics (SF Women), Jamal Mohamed College, Trichy-20 held on 22.01.2020.

- 22) Acted as a Resource person in the UGC Sponsored One day Seminar on “Exploring the Advances in Mathematics” Organized by PG & Research Department of Mathematics, Seethalakshmi Ramaswami College, Tiruchirappalli-02. held on 30.01.2020.
- 23) Chairperson in the International conference on Mathematics Methods and Computation (ICOMAC 2020) Organized by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli-20 is held on 19st February 2020.

16. Orientation/Refresher Courses Attended

- 1) Orientation Course: 20.05.2000 To 16.06.2000 Bharathidasan University.
- 2) Refresher Course: 02.12.2000 To 22.12.2000 Bharathidasan University.
- 3) Refresher Course: 06.11.2002 To 26.11.2002 Pondicherry University.
- 4) Refresher Course: 05.11.2003 To 25.11.2003 Gandhigram Rural University.
- 5) Census 2011, House Listing and Population Enumeration, Govt. of India, Ministry of Home Affairs, Department of Census Operations on 06th, 08th, & 12th April 2010.
- 6) Census 2011, House Listing and Population Enumeration, Govt. of India, Ministry of Home Affairs, Department of Census Operations on 13.12.2010 – 15.12.2010.

17. Study Materials / Books Written & Published:

Study Material written: B.Sc., IT- Essential of Mathematics, CDE, BARD Trichy.

18. Administrative Position Held In The College:

- 1) Sub-Warden - Khajamian Hostel: June 1996 – December 1997.
- 2) Deputy Warden - Khajamian Hostel: January 2001 – May 2004.
- 3) Advisor – Leo Club of Jamal Mohamed College: June 2001 – May 2004.
- 4) Deputy Warden - Khajamian Hostel: May 2014 – 31.05.2018.
- 5) Advisor – Rotaract Club of Jamal Mohamed College: August 2014– 31.05.2018.

19. Membership In Autonomous Programme:

- 1) Member – Autonomous Examination Committee.
- 2) Member- Board of studies, Department of Mathematics June 2004 – Till date .
- 3) Member –Academic Audit Committee.
- 4) Member – Curriculum Development Cell

- 5) Member –Research committee
- 6) Member- Board of Studies, Department of Mathematics Selvam Arts and Science College. Namakkal
28.04.2018
- 7) Member- Board of Studies, Department of Mathematics Park's College. Tirupur on-25.10.2018
- 8) Member- Board of Studies, Department of Mathematics AVVM Sri Pushpam College. Poondi till-
19.11.2018
- 9) Member- Board of Studies, Department of Mathematics Periyar EVR College, Tiruchirappalli, from
09.04.2019

21. Any Other Information If Any:

- 1) Best Leo Advisor Award from Lions Club International for the Year 2002-03 and 2003-04.
- 2) Best Staff Coordinator Award from Rotaract District Organization, Rotary International District 3000
for the Year 2017-2018.