

RESUME

Name : J.UMAMAHESWARI

Qualification : M.SC., M.Phil., Ph.D.,

Designation : Assistant Professor

***Department and College
where working now*** : Department of Mathematics
St. Joseph's College (Autonomous)
Trichirappalli-620 002
Tamil Nadu, India.

Date of Appointment : 18- 10 – 2007

E-Mail Address : umasjc@gmail.com

Mobile Number : +91 94860 66077

Address (Residential) : Lakshmi Illam,
P.No:86, II Cross,
Aruna Avenue,
Karumandapam,
Trichy 620 001

Area of Specialization : Fuzzy Graph Theory.

Academic Qualification :

Degree	Subject	University	Year of Passing	Class/Division Grade/Merit Obtained
B.Sc.,	Mathematics	Bharathidasan University, Trichy	April, 1988	First Class (70%)
M.Sc.,	Mathematics	Bharathidasan University, Trichy	May, 1990	First Class with Distinction (79%)
M.Phil.,	Mathematics	Bharathidasan University, Trichy	Feb, 1993	First Class (72%)
Ph.D.,	Mathematics	Mother Teresa Women's University, Kodaikanal	Dec,2013	Commended

Research Experience & Training : 6 years

Title of the Ph.D. : A STUDY ON FUZZY DETOUR DISTANCE IN FUZZY GRAPHS

Professional Experience :

- 1999-2001, Department of Mathematics, Bishop Heber College, Tiruchirappalli under UGC(FIP)-post.
- 2001-2007, Department of Mathematics, St. Joseph's college, Tiruchirappalli under Management post.
- 2007-present, Department of Mathematics, St. Joseph's college Tiruchirappalli under Aided post.

Research Adviser : Bharathidasan University

Tiruchirappalli-620 024 from 06-03-2017.

Papers Published in the International Journals :

1. Nagoor Gani,A., and Umamaheswari,J., "*Fuzzy Detour μ -Centre in Fuzzy Graphs*", International Journal of Algorithms, Computing and Mathematics (IJACM) , Vol. 3, No2, May2010, pp 57-63.
2. Nagoor Gani,A., and Umamaheswari,J., "*Fuzzy Detour as a Hamiltonian Path in Fuzzy Graphs*", International Journal of Maths Science and Engineering Applications(IJMSEA), ISSN- 0973-9424, vol.5,No II,March 2011, pp 161-166.
3. Nagoor Gani,A., and Umamaheswari,J., "*Fuzzy Detour Boundary Vertices in Fuzzy Graphs*", International Journal of Contemp. Math. Sciences (IJCMS), vol.6, No.35, 2011, pp 1725-1731.
4. Nagoor Gani, A., and Umamaheswari,J., "*On Some Aspects of Fuzzy Detour Boundary Vertices in Fuzzy Graphs*" – Communicated to the International Journal of Mathematical and Computer Science.
5. Nagoor Gani, A., and Umamaheswari,J., "*Fuzzy Detour Eccentric Vertices in Fuzzy Graphs*" – Communicated to the International journal of Advances in Computational Mathematics and its Applications.
6. Umamaheswari,J., and Anbarasan.A .,"*Best Proximity Points: Existence And Convergence Theorems For p- Cyclic Weak ϕ Contractions Mappings*" _ International Journal of Pure & Engg. Mathematics (IJPEM), ISSN 2348-3881, vol.4, No.I, April, 2016, pp 77-87.

7. Umamaheswari,J., and Anbarasan.A .,"*Banach Fixed Point Theorem For Contraction Mapping Principle in a Cone B- Pentagonal Metric Spaces* " _ International Journal of Mathematics Trends and Technology (IJMTT), P-ISSN 2349-5758,vol.37, Number-4,September 2016, pp.11-20
8. Umamaheswari,J., and Ravichandran.M.,"*Generalized Common Fixed Point Result in Cone Metric Spaces*" _ International Journal of Mathematics Trends and Technology (IJMTT), ISSN 2349-5758,vol.39, Issue-2, November 2016, pp .25-34
9. Umamaheswari,J., Anbarasan.A and Ravichandran.M.,"*Some Best Proximity Points for Generalized $\alpha - \varphi$ -Proximal Penta - Contractive Mappings*" _ International Journal of Mathematics Trends and Technology (IJMTT), ISSN 2349-5758,vol.60, Issue- 4,Part III, August 2018, pp .09-21.
10. Umamaheswari,J., Anbarasan.A and Ravichandran.M.,"*Generalized Results for Fixed Point Theorems in Complex Valued Metric Spaces* " _ International Journal of Research and Analytical Reviews (IJRAR), Journal no.43602,E ISSN 2348-1267,Print ISSN 2349-5138,vol.6, Issue- 1,Jan-March 2019, COSMOS Impact Factor 4.236, Impact Factor 5.75.

Papers Published in the International and National Conferences :

1. Nagoor Gani,A., and Umamaheswari,J., "*Fuzzy Detour μ - Distance in Fuzzy Graphs*", Proceedings of the International Conference on Mathematical Methods And

Computations, Allied Publications, Jamal Mohamed College, Trichy, Tamil Nadu, India, 24-25th July 2009, Pp 184-187.

2. Nagoor Gani,A., and Umamaheswari,J., *“Relational Properties of Fuzzy Detour μ - Distance in Fuzzy Graphs”*, Proceedings of the National Conference on Advances in Mathematics; Scientific Development And Engineering Applications, Narosa Publications, Kunthavai Naachiyar Govt. Arts College For Women (Autonomous), Thanjavur-17, Sep 2009, pp 366-371.
3. Nagoor Gani,A., and Umamaheswari,J., *“On Fuzzy Detour and Cut Nodes in Fuzzy Graphs”*, Proceedings of the Heber International Conference on Applications of Mathematics and Statistics (HICAMS), Excel India Publications, Bishop Heber college, Trichy, Tamil Nadu, India, 5th-7th January 2012,pp 477-480.
4. Umamaheswari,J., and Anbarasan.A ., *“Sequence Convergences Strongly to a Fixed Point on Generalized β -Non Expansive Mappings”*, Proceedings of the International Conference on Emerging Trends and Challenges in Mathematics NPR Arts &Science College(Affiliated to Madurai University) Natham , Dindigul Dt , Tamil Nadu, India, 28th December 2018.
5. Umamaheswari,J., and Ravichandran.M., *“Banach Contraction Principle for three Self-Mappings in Core b-Pentagonal Metric Spaces”*, Proceedings of the International Conference on Emerging Trends and Challenges in Mathematics NPR Arts &Science College(Affiliated to Madurai University) Natham , Dindigul Dt , Tamil Nadu, India, 28th December 2018.

Paper Presented in the International and National Conferences :

1. Nagoor Gani,A., And Umamaheswari,J., “ *Fuzzy Detour μ - Distance in Fuzzy Graphs*”, International Conference On Mathematical Methods And Computations, Jamal Mohamed College, Trichy, Tamil Nadu, India, 24-25 July 2009.
2. Nagoor Gani,A., And Umamaheswari,J.,“ *Relational Properties of Fuzzy Detour μ -Distance in Fuzzy Graphs*”, National Conference on Advances in Mathematics; Scientific Development And Engineering Applications, Kunthavai Naachiyar Govt. Arts College For Women (Autonomous), Thanjavur-17, Sep 2009.
3. Nagoor Gani,A., And Umamaheswari,J., “ *On Some Aspect Of Fuzzy Detour μ -Distance in Fuzzy Graphs*”, National Symposium On Mathematical Methods And Applications (NSMMA 2009) , IIT, Madras, Tamil Nadu, India, 22nd Dec 2009.
4. Nagoor Gani,A., And Umamaheswari,J., “ *On Fuzzy Detour and Cut Nodes in Fuzzy Graphs*”, Heber International Conference On Applications Of Mathematics And Statistics (HICAMS), Bishop Heber College, Trichy, Tamil Nadu, India, 5th-7th January 2012.

Ph.D. and M.Phil. Guidance : Ph.D., Guiding: Full Time -1, Part Time – 4.
M.Phil., Guiding – 3, Completed – 3.

Technical Qualification : MATLAB.

Orientation Courses Attended : Attended from 02-03-2010 to 29-03-2010 at UGC Academic Staff College, Barathidasan University, Tiruchirappalli - 620 023.

Refresher Courses Attended :

- Attended from 05-11-2014 to 25-11-2014 at UGC Academic Staff College, Barathidasan University, Tiruchirappalli-620 023.
- Attended from 06-07-2017 to 26-07-2017 at UGC Human Resource Development Centre UGC-HRDC, Pondicherry University (A Central University), Pondicherry.

Other Affiliations :

- ***Coordinator***, Girl Students' Welfare Committee, 2003-May 2017.
- ***President*** of Mathematics Association 2008
- ***Member***, Equal Opportunity Centre, 2010- 2017
- ***Coordinator***, Prevention of Sexual Harassment Committee, 2010-2017
- ***Member***, Student's Welfare Committee, 2011- 2017
- ***Joint Secretary***, ACTA, St, Joseph's College Unit, 2013-2015.
- ***Executive member***, Staff Association of St, Joseph's College, 2013-2015.
- ***Vice-President***, ACTA, St, Joseph's College Unit, 2018-2019
- ***MQC- Coordinator*** , Maths Department 2017-2019

Any other information :

- Served as the **Presiding Officer** in Thuraiyur Assembly Constituency Election in Trichirappalli district held on 13.04.2011.
- Served as the **Presiding Officer** in Trichirappalli Assembly Constituency Election held on 16.05.2016.

DATE: 25-02-2019

Dr.J.UMAMAHESWARI.