FACULTY PROFILE

Name: Dr. S. Karpagam

Qualification: M. Sc., Ph. D.,

Designation: Assistant Professor

Years of Experience: UG: 7 years PG: 2 years

Email ID: karpagam.saravanan@gmail.com

Area of Specialization: Functional Analysis

Publications:

1. "Best proximity point theorems for p-cyclic Meir Keeler contractions", *Fixed Point Theory and Applications* (International), Springer Open, S. Karpagam And Sushama Agrawal, 2009, 2009, 9 pages
2. "Best proximity point theorems for cyclic orbital Meir-Keeler contractions", *Non linear Analysis: Theory Methods and Applications* (International) SCI, S. Karpagam And Sushama Agrawal, 74, 2011, 1040 to 1046
3. "Existence of best proximity points of p-cyclic contractions", *Fixed Point Theory* (International) Thomson – Reuters, S. Karpagam And Sushama Agrawal, 13, 2012, 99 to 105
4. "Pseudo Similar Interval Valued Fuzzy Matrices", *International Journal of Applied Engineering Research* Scopus, P. Poongodi S. Karpagam D.Kanagajothi L. Sreelakshmi, 10 No.16, 2015, 36324-36329
5. "A Note on Best Proximity points for p-Summing cyclic orbital Meir-Keeler contractions", *International Journal of Pure and Applied Mathematics* Scopus, S. Karpagam And Boyan Zlatanov, 107 No.1, 2016, 225 to 243
6. "Best Proximity points of p-cyclic orbital Meir –Keeler Contraction maps", *Non Linear Analysis: Modelling and Control* (International) Thomson – Reuters, S. Karpagam And Boyan Zlatanov, 21 No. 6 Doi: 10.15388/NA2016.6.4, 2016, 790 – 806
7. "Existence of Fixed Point and Best Proximity Point of p-Cyclic Orbital Contraction of Boyd-Wong Type", *International Journal of Applied Mathematics* Scopus-Elsevier , P.K.Hemalatha, T.Gunasekar S. Karpagam, 31 No. 6, 2018, 805-814
8. "On p-Cyclic Orbital M-K Contractions in a Partial Metric Space", *Mathematics* (MDPI) (International) SCI – Expanded, T. Gunasekar, S. Karpagam, B. Zlatanov, 6 116, 2018, Doi: 10.3390
9. "A Study on p-Cyclic Orbital Geraghty type Contractions", *International Journal of Engineering & Technology*, M.L.Suresh, T.Gunasekar, S. Karpagam, B. Zlatanov, 7 4.10, 2018, 883-887
10. "On Ώ Class of Mappings in a p-Cyclic Complete Metric Space", *Symmetry* (MDPI) (International) SCI-Expanded, E. Karapinar, S. Karpagam, M.Prabhavathy, 11 534, 2019, Doi: 10.3390

11. "Existence of Fixed Points and Best Proximity points of p-cyclic Boyd-Wong contractions", *Ann.Acad.Rom.Sci.Ser.Math.Appl*. Scopus, S. Karpagam, Vol.13 No.1, 2021
12. "Existence of Fixed Points and Best Proximity points of p-cyclic Orbital Phi-contraction maps", *Nonlinear Anal. Model.Control* Thomson Reuters, M.Prabavathy, S. Karpagam, Erdal Karapinar, Vol.27 No.1, 2022, 91-101
13. "Best Proximity results for Γ -class of mappings", *J. nonlinear and Convex Analysis* SCI-Expanded, R.Sakthi, Selma Gulyaz-Ozyurt, S. Karpagam, Vol.23, No.7, 2022, 1399-1407
14. "Existence of Fixed Points and Best Proximity points of p-cyclic Geraghty Contractions", *Ann.Univ. Craiova.* Scopus, S. Karpagam, Vol.37 No.1, 2010, 1-3

Presentations:

Papers presented in National Conferences:

1. National Conference on Analysis and its Applications, held in Banaras Hindu University, Varanasi, India., March 19 to 21, 2009, titled,"Best proximity point theorems for p-cyclic Meir – Keeler Contractions".

2. National Seminar on Mathematics for Nonlinear Systems, organized by Department of Mathematics, Visva – Bharati University, Santiniketan, Kolkatta, India, March 20 - 21, 2010., titled., "Best Proximity Point Theorems for Cyclic Orbital Meir – Keeler contractions".

3. National Symposium on Mathematical Methods and Applications, IIT-M, Chennai , India, on 22nd December 2013, titled,"Best proximity points of p-cyclic orbital Meir – Keeler Contractions".

4. National Symposium on Mathematics and Computer Applications, March 15, 2014, at Women's Christian College, Chennai, India., titled., "Best Proximity point of Geraghty Type p-cyclic Orbital Contraction".

5. National Symposium on Mathematics and Computer Applications, March 15, 2014, at Women's Christian College, Chennai, India., titled., "Fixed Points for p-cyclic orbital Generalized Contractions".

6. National Symposium on Mathematics and Computer Applications, March 15, 2014, at Women's Christian College, Chennai, India., titled., "Best Proximity point on non – linear contractive condition".

Papers presented in International Conferences:

1. Fourteenth International Conference – CMSAM 2007 – FIM XIV Computational, Mathematical and Statistical Methods, held in IITM Chennai, India, Jan 6 – 8, 2007, titled, "Some extensions of Banach Contraction Theorem in Metric spaces".

2. International Conference on Recent Trends in Mathematics and it's Applications, March 30 – 31, 2009, held in Jamia Millia Islamia, New Delhi, India, titled, "Existence of Best Proximity points of p-cyclic contractions".

3. International Conference on Mathematics – A Global Scenario, held in Dwaraka Doss Goverdhan Doss Vaishnav College, December 13 and 14, 2012, held in Chennai, India, titled, "Existence of best minimization pair of Relatively Orbital Non expansive maps".

4. WCC Centenary International Conference on Viable Synergies in Mathematical and Natural Sciences, 7,8 & 9 January 2016., held at Women's Cristian College, Nungambakkam, Chennai, India.,titled, "On P-Cyclic Contractions and P – Cyclic Complete Metric Space".

5. International Conference on Advances in Mathematical Sciences, December 1-3, 2017, held at VIT Vellore, titled, "On convergence of best proximity point of p-cyclic orbital Geraghty type contractions".

6. International Conference on Advances in Mathematical Sciences, December 1-3, 2017, held at VIT Vellore, titled, "On fixed points and best proximity points of p-cyclic orbital M-K contractions in a Partial Metric space".

Attended National / International Conferences:

1. The Eleventh Ramanujan Symposium on Recent Trends in Operator Theory and Banach Algebras, March 3 – 5, 2005 held in Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, India.

2. International Conference on Geometric Function Theory, Special Functions and Applications, Jan 2 – 5, 2006 held in Bharatidasan Govt. College for women, Pondicherry, India.

3. National Seminar on Frontiers of Discrete and Fuzzy Mathematics, Feb 16 – 18, 2006 held in S. B. College, Chenganacherry, Kottayam, Kerala, India.

4. International Conference on Non – Commutative Rings, Group Rings, Diagram Algebras and Applications, Dec 18 – 22, 2006 held in Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, India.

5. International Conference on Functional Analysis and its Applications, Nov 28 – Dec 1, 2007 held in Scott Christian College, Nagercoil, India.

6. Attended “One Day National Workshop on Network Visualization and Analysis”, conducted in Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai.

Memberships:

- Member of Steering Committee, National Symposium on Mathematics and Computer Science 2014, March 15, Women’s Christian College.
- Scientific Committee Member, National Conference on Mathematics and Computer Applications.
- Member, Organising Committee: Workshop on Acturial Mathematics on January 23, 2014.

- Technical Committee member National Symposium on Mathematics and Computer Applications , March 15, 2014.

- Registered as reviewer data base for the Journal,”Facta Universitatis, series: Mathematics and Information”.

(Facta Universitatis, Series: Mathematics and Informatics (FU Math Inform) is an open access peer-reviewed international journal published by the University of Niš, Serbia and Faculty of Sciences and Mathematics, Niš, Serbia. University of Niš publishes Facta Universitatis journals more over than 25 years (since 1986).)

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