

## CURRICULUM VITAE

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Department of Mathematics,  
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### ACADEMIC RECORD:

<b>B.sc</b>	<b>Yadava College</b>	<b>1982</b>	<b>First Class</b>
<b>M.Sc</b>	<b>The M.D.T Hindu College, Tirunelveli</b>	<b>1984</b>	<b>First Class</b>
<b>M.Phil</b>	<b>School of Mathematics, M.K.University, Madurai</b>	<b>1985</b>	<b>First Class</b>
<b>Ph.D</b>	<b>Department of Mathematics, Bharathidasan University, Trichy-24 .</b>	<b>2012</b>	<b>C</b>

### TITLE OF Ph.D THESIS:

A study on fixed points Best Proximity Points and Their Applications

### PRESENT POSITION:

Joined in St.Joseph's College Trichy in 16th Dec 1985 Presently, Associate Professor of Mathematics, St. Joseph's College, Trichy, TamilNadu

### TEACHING EXPERIENCE:

33 Years as on 25-02-2019

### RESEARCH INTEREST:

Fixed Point Theory

**RESEARCH GUIDENCE:**

Ph.D. ongoing: 5

Ph.D. Awarded: 2

M.Phil: 4 students guided every year since 1992

**PUBLICATION:**

National: 4

International: 31

**OF SPECIAL MENTION:**

1. Co-ordinator (Shift-2) for Three Years, Department of Maths, St.Joseph's College, Trichy-2 .
2. Member Of Academic Council for 3 years St.Joseph's College, Trichy-2 .
3. Member Of Board of Studies (2012-2014) as Bharathidasan University Nominee in the Department Of Mathematics, National College, Trichy.
- 4.Member Of Board Of Studies (2012-2013) in the Department of Mathematics, Holy cross College, Trichy-2.
- 5.N.S.S Programmed Officer for 3Years (2000-2003) in St.Joseph's College, Trichy-2.

**ORIENTATION PROGRAMMES:**

1. Attended the Orientation Course organized by the Academic staff college, Bharathidasan University, Trichy, from 26-12-1988 to 24-01-1989.
2. Attended General Orientation course conducted by the Madras school of Social work from August 20 – September 07, 2001, Chennai.

**WORKSHOP & TRAINING PROGRAMMES:**

1. Attend the workshop on research methodology, Conducted at St.Joseph's College, Sponsored by all India Association for the Christian Higher Education on 5th and 6th April 2013.
2. Participated in Advanced Training School in Mathematics for Lecturers on Functional Analysis organized at Pune by BhaskaraCharya, Pratishtana, Pune, during 3rd-15th November 2008

**REFRESHER COURSES AND SUMMER-INSTITUTE:**

1. Participated in the U.G.C Sponsored All India Summer Institute on Distribution theory, Conducted by the Department of Mathematics, Madurai Kamaraj University from 27-4-1987 to 16-05-1987 .
2. Participated in U.G.C Sponsored All India Summer Institute on “Functional Analysis and its applications Conducted by Department Of Mathematics, St.Joseph’s College, Trichy-2 from 08-05-1989 to 04-06-1989
3. Attended Four week U.G.C Sponsored Refresher Course in Applicable Mathematics and Computer Application “Conducted by Academic Staff College, Bharathidasan University, Trichy, from 10-02-1994 to 09-03-1994
4. Attended Four weak U.G.C sponsored Refresher Course in Mathematics conducted by Academic staff College, Bharathidasan University, Trichy-24 from 04-03-1998 to 31-03-1998

**NATIONAL SEMINAR:**

1. Participated in the National seminar on Education for social change Role of Autonomous Colleges Conducted by St.Joseph’s College, Trichy-2 from 05-01-1994 to 07-01-1994
2. Participated in the National Seminar on Application of Mathematics Conducted by the Department of Mathematics St.Joseph’s College, Trichy-2 from 17-19,2000
3. Participated in the National Seminar on recent Developments in Applied Mathematics Organized by the Department Of Mathematics St.Joseph’s College, Trichy from 02-12-2004.
4. Attended the National Seminar in “Digitalized Information Exchange for quality sustenance and Enhancement Among Accredited Institution “ Sponsored by NAAC, Bangalore in St.Joseph’s College, Trichy.

5. Participated in the NAAC Sponsored National Conference on Quality Enhancement and Sustenance on Higher Educational Institutions through six sigma Quality Strategy on 23rd and 24th October at St.Joseph's College, Trichy-2.
6. Participated in the U.G.C Sponsored National Conference on Higher Education and National Development: the Challenge Of Expansion, Quality and inclusion On 30th and 31st January 2009 at St.Joseph's College, Trichy-2.
7. Participated in the NCFAD-2012 held on 19-20, 2012 Organized by the Department Of Mathematics, Bharathidasan University, Trichy-24

#### **RESEARCH PAPER PRESENTATION:**

1. Presented a Research Paper on "Same Best Proximity Theorems" in the National Conference on Recent Trends in Analysis and Graph Theory on 11th and 12th August 2009 Organized by Department Of Mathematics, The M.D.T Hindu College Tirunelveli.
2. Presented a research Paper on "Best Proximity point results in Quasi-metric Spaces in the National Conference Non-Linear Functional Analysis Organized by the Department Of Mathematics, M.S.University, Tirunelveli.
3. Presented a Research Paper on "Existence of Best Proximity Point for weakly Cyclic  $q$ -Contractive map" organized by the Department Of Mathematics, The M.D.T Hindu College, Tirunelveli from 21-03-2012 to 22-03-2012.

#### **RESEARCH PAPER PUBLICATION:**

1. U.Karuppiah and M.Marudai, Best Proximity for KKM0-multimaps, Far-east Journal of Mathematical Sciences (FJMS), Vol.No.pp. 49-68, (2010).
2. U.Karuppiah and M.Marudai, Best Proximity point theorems for cyclic Contraction mappings on uniformly convex and reflexive Banach spaces International Journal Of Mathematical, Science and Engineering Applications (IJMSEA), Vol.5,No.1 327-336 (2011).
3. U.Karuppiah and M.Marudai, Common fixed point theorems for the non-self mappings in metrically convex spaces, International journal Of Mathematical Sciences and Engineering Applications (IJMSEA), Vol. 5, No.2, pp.405-421 (2011).

4. U.Karuppiah and M.Marudai, common fixed point for sequence of mappings under contractive Conditions, Bharathidasan University Journal of Science and Technology, (2011)
5. U.Karuppiah And M.Marudai, Best Proximity Point results in Quasimetric spaces, International Journal of Mathematical Sciences and Applications, (sep 2011).
6. Gunaseelan and U. Karuppiah, Fixed Point Theorems for Multivalued Contractive mappings in b-Metric Space, International Journal of Mathematics Trends and Technology, Vol.37 ,No.4-Sep 2016, pg-21-27, ISSN:2349-5758.
7. Gunaseelan and U. Karuppiah, Fixed Point Theorems for Generalized Ciric-Berinde Type Contractive Multivalued Mappings, Singaporean Journal of Scientific Research, Vol.8,No.3(2016), pg-227-238, ISSN:1205-2421.
8. Gunaseelan and U. Karuppiah, Fixed Point Theorems for  $(\alpha, \psi)$ -Meir-Keerler-Khan Multivalued Mappings in b-Metric Space, Asian Journal of Information Science and Technology, Vol.4,No.1 (2016), ISSN:2231-6108.
9. Gunaseelan and U. Karuppiah, Fixed Point Theorems for Generalized Multivalued Mappings in b-Metric Space, International Journal of Research and Reviews in Applied Sciences and Engineering, Vol.8,No.2(2016), ISSN:2231-0061.
10. Gunaseelan and U. Karuppiah, Common Coupled Fixed Point Results for Generalized Rational Type Contractions in Complex Valued Metric Spaces, International Journal of Mathematics Trends and Technology, Vol.39 ,No.2-Nov 2016 , pg-6-24, ISSN:2349-5758.
11. Gunaseelan and U. Karuppiah, Fixed Point Theorem in Complex Valued b-Metric Space for Generalized Rational Contractions having Control Functions, Singaporean Journal of Scientific Research, Vol.8,No.4(2016), pg- 266-279, ISSN:1205-2421.

12. Gunaseelan and U. Karuppiah, Generalized Coupled Fixed Point Results for Rational Type Contractions in Complex Valued Metric Spaces, JP Journal of Fixed Point Theory and Applications, Volume 11, No.3, (2016), pg-197-206, ISSN:0973-4228.
13. A. Mary Priya Dharsini and U. Karuppiah, Fixed points theorems for multiplicative contraction mappings on multiplicative cone b- metric space, International journals of Mathematical trends and technology, vol 48, No.3, August 2017, ISSN-2231-5373.
14. A. Mary Priya Dharsini and Dr. U. Karuppiah, "some fixed point theorems satisfying (S,T) - contractive condition in partially ordered partial metric space", Far East Journal of Mathematical Sciences, volumes 95, no.1, 2014, pg 19 – 50.
15. A. Mary Priya Dharsini and Dr. U. Karuppiah, "Some theorems on  $\alpha - \psi$  Quasi Contractive on Quasi Partial Metric Space" International Journal of Mathematical Archive, October 2016, ISSN 2229-5046.
16. A. Mary Priya Dharsini and U. Karuppiah, On best proximity points for multivalued geometric F-contraction mappings, International Journal Scientific and Research, Vol 8, Issue 7, July 2017, ISSN-2229-5518.
17. A. Jennie Sebasthy Pritha and U. Karuppiah, Fixed point for cyclic weak phi contraction in Complete Generalized Metric Space" International Journal of Mathematical Archive, Vol 8, No.9, sept.2017, ISSN-2229-5046.
18. A. Jennie Sebasthy Pritha and U. Karuppiah, Some fixed point Theorems for JSC Contraction in Complete Metric Space". International Journal of Mathematics And its Applications. Volume 5, Issue 3-B(2017), 179-183, ISSN-2347-1557.
19. A. Jennie Sebasthy Pritha and U. Karuppiah, A note on almost generalized C- contractive mappings in ordered partial metric spaces, JP journal of fixed point theory and Application, Vol 13, No. 1, Jan 2018, pg no. 57-71, ISSN-0973-4228.

20. A.Jennie Sebasthy Pritha and U.Karuppiah, Fixed points theorem for almost generalized C-contractive mappings in ordered complete partial metric spaces, International Journal of Pure and Applied Mathematics, Vol 118, No. 6, 2018, pg no.139-150, ISSN-1314-3395.
21. A.Jennie Sebasthy Pritha and U.Karuppiah, Common Fixed point theorems for JSC-contraction on complete metric spaces, Journal of Global Research in Mathematical Archives, Vol 5, No. 2, Feb 2018, pg no. 74-81, ISSN- 2320-5822.
22. A.Jennie Sebasthy Pritha and U.Karuppiah, Best proximity point theorems for JSC-proximal contractions, International Journal of Mathematical Trends and Technology, Vol 57, Issue 5, May 2018, pg no. 320-330, ISSN-2231-5373.
23. A. Mary Priya Dharsini and U. Karuppiah, Common fixed point theorems for multivalued mappings on b-metric spaces, Journal of Global Research in Mathematical Archives, Vol 4, No.12, pg no.9-16, December 2017.
24. A. Mary Priya Dharsini and U. Karuppiah, Best Proximity point theorems for ( $\alpha$ - $\psi$ ) rational proximal contraction mappings in multiplicative metric spaces, International Journal of Engineering Science and Mathematics, Vol 6, No. 7 pg no.236-249, ISSN:2320-0294.
25. V. Murugan and U. Karuppiah, Some theorems in multi intuitionistic fuzzy RW-closed and multi intuitionistic fuzzy RW-open sets in multi institutionistic fuzzy topological spaces, International journal of scientific research, Vol 5, pg. no 642-646, 2016, ISSN:2277-8179.
26. V. Murugan and U. Karuppiah, Multi intuitionstic fuzzy RW- continuous map Multi intuitionstic fuzzy RW-irresolute maps in Multi intuitionstic fuzzy topological spaces, Bulletin of Mathematics and statistics Research, vol 4, 57-68, 2016, ISSN-2348-0580.

27. V. Murugan and U. Karuppiah, A study on multi fuzzy RW-closed, multi fuzzy RW-open sets in multi fuzzy topological spaces, International Journal of Mathematical Archieve, Vol 7, No. 4, pg no. 27-32, 2016, ISSN: 2229-5046.
28. V. Murugan and U. Karuppiah, Multi institutionistic fuzzy RW-open maps, Multi institutionistic fuzzy RW- closed maps, Multi institutionistic fuzzy topological spaces, Elixir Advanced Mathematics International Journal, Vol 101, pg no. 43927-35, 2016, ISSN: 2229-712X.
29. V. Murugan and U. Karuppiah, Notes on multi fuzzy RW-open maps, Multi fuzzy RW-closed maps, Multi fuzzy RW-Homeomorphisms in multi fuzzy topological spaces, International Journal of Applied Mathematical sciences, Vol 9, No. 1, 2016, pg no. 73-87, ISSN: 0973-0176.
30. V. Murugan and U. Karuppiah, A study on multi fuzzy RW- continuous maps and Multi fuzzy RW- irresolute maps in multi fuzzy topological spaces, Exilir International Journal, Vol 94, pg no. 40310-14, 2016, ISSN: 2229-712X.
31. V. Murugan and U. Karuppiah, Notes on Multi fuzzy RW-closed , Multi fuzzy RW-open sets in Multi fuzzy topological spaces, Bulletin of Mathematics and statistics Research, Vol. 4, No. 1, 2016, pg no. 174-179, ISSN: 2348-0580.