



Name : Dr. M. KARPAGADEVI

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

Designation : Assistant Professor in Mathematics

Experience : 16 years

Date of Joining : 01.10.2019

Qualification Approval No. : 22718/A3/2019

Guideship No. M.Phil / Ph.D : 9256/1 CRE 5/2021 & 27/05/2022

No. of Ph.D Scholars : 3(Pursuing)

Area of Specialization : Topology / Differential Equations

E mail ID : karpagadevi.n@gmail.com

Vidwan-ID : 223798

Orcid ID : [0000-0002-6047-975X](https://orcid.org/0000-0002-6047-975X)

Address for Communication : 1/170, Arisikarar Thottam, Kolarpatti,  
Pollachi -642 107

Contact No. : 6381825904

## **Publications in International Journals :**

1. **“(i,j)-RW-Closed Sets in Bitopological spaces”**, International Journal of Computer Applications (0975-888), Volume 47 – No .6, June 2012, P. 32-37.
2. **“RW-Continuous Maps and RW-Irresolute Maps in Topological Spaces”**, International Journal of Mathematics Trends and Technology - Volume 4 Issue 2 - 2013, ISSN : 2231-5373, P. 21-25.
3. **“RW-Closed Maps and RW-Open Maps in Topological Spaces”**, International Journal of Computer Applications Technology and Research, Volume 2- Issue 2 - 2013, ISSN : 2319-8656, P. 91-93.
4. **“RW-Homeomorphism in Topological Spaces”**, International Journal of Computer Trends and Technology - Volume 6 Number 5 - Dec 2013, ISSN: 2231- 2803, P. 269-271.
5. **“On Contra-RW Continuous Functions in Topological Spaces”**, International Journal of Modern Engineering Research, Volume 4 - Issue 2 - Feb 2014, P. 13-16.
6. **“Regular Weakly Compactness and Regular Weakly Connectedness in Topological Spaces”**, International Journal of Mathematics Trends and Technology - Volume 40 Issue 2 - 2016, ISSN : 2231-5373, P.140-141.
7. **“Regular Weakly open sets and Regular Weakly Closure in Topological Spaces”**, International Journal of Mathematical Archieve-7(12), 2016,141-144, ISSN : 2229-046.
8. **“A Note on  $\alpha$ Ig-Closure and  $\alpha$ Ig-Interior in Ideal Topological Spaces”**, Turkish Journal of Computer and Mathematics Education, Vol.12, No.4(2021), 1276 – 1279.
9. **“Cubic Spherical Neutrosophic Sets”**, International Journal of Neutrosophic Science(IJNS), Vol.21, No.04, PP.172-180, 2023.

## **Papers Presented in Conference :**

1. Presented a paper in State level Seminar entitled **“ $g^{\#}$ s-closed sets in Fuzzy topological spaces”**, held in Kongunadu College of Arts and Science, Coimbatore.
2. Presented a paper entitled **“ $\#$ gs-closed sets in Bitopological spaces”**, in National level Conference on “Emerging Trends in Mathematical Research and its Applications” held in Karpagam College of Engineering, Myleripalayam, Coimbatore.
3. Presented a paper entitled **“Inter-Valued Picture Fuzzy Geometric Bonferroni Mean Aggregation Operators in Multiple Attributes”** in the 2023 Fifth IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2023) held at Velalar College of Engineering & Technology, Erode, TamilNadu, India during 22-24, February 2023.

4. Presented a paper entitled “**Inter-Valued Picture Fuzzy Topological Spaces and Application of Inter-Valued Picture Fuzzy Sets in Multi Criteria Decision Making**” in the 2023 Fourth International Conference on Advances in Physical Sciences and Materials (ICAPSM 2023) held at KPR Institute of Engineering and Technology, Coimbatore during 17-18, August 2023.

### **Faculty development & orientation programmes :**

1. Attended Faculty development programme on “**Mathematical Application in Bio-medical Signal Processing**” Conducted by Department of Science and Humanities, Karpagam College of Engineering from 16<sup>th</sup> to 18<sup>th</sup> February 2012.
2. Attended online Faculty Development Programme on “**Fuzzy Sets and Systems**” Organised by Department of Mathematics (Shift - II), Patrician College of Arts and Science, Chennai on 16<sup>th</sup> May 2020.
3. Attended online Faculty Development Programme on “Webinar Series (Live Interaction) Organised by IQAC under Paramarsh Scheme during 3<sup>rd</sup> – 9<sup>th</sup> May 2020.
4. Attended Induction Programme Organised by Ramanujan College, Teaching Learning Centre, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, MHRD from 04.06.2020 – 01.07.2020.
5. Attended FDP on “**Development of Teacher’s e-kit and MOOCs in four-quadrant format e-content**” at Guru Angad Dev Teaching Learning center, SGTB, Khalsa College, University of Delhi from 12.09.2020 – 20.09.2020.
6. Attended **Faculty Induction Programme** Organised UGC – Human Resource Development Centre, Bharathiar University, Coimbatore from 02.02.2021 – 03.03.2021
7. Attended Online Two-Week Interdisciplinary Refresher Course/ Faculty Development Programme on “**Research Methodology**” Organised by Ramanujan College, Teaching Learning Centre, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, MHRD from 20.07.2021 – 03.08.2021.
8. Attended three days Faculty Development Programme on “**Digital Tools for Active Teaching, Evaluation and Research**” organized by Department of Chemistry, Sri G.V.G. Visalakshi College for Women, Udumalpet form 28.06.2021 – 30.06.2021
9. Attended two week International Faculty Development Programme on “**Current Trends in Applications in Mathematics**” organized by Department of Mathematics, School of Science and Humanities, VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai – 62, TamilNadu, India from 21.09.2022 – 04. 10.2022.
10. Attended “**Teacher’s Enrichment Workshop**” at BITS – Pilani Hyderabad Campus from 09.01.2023 – 14.01.2023.
11. Attended **Refresher Course in Mathematics & Statistics** conducted by the UGC – Human Resource Development Centre, Bharathiar University, Coimbatore from 17.08.2023 – 30.08.2023

12. Attended Five day International Faculty Development Program on Exploration of Mathematics in Emerging Fields” organized by Department of Mathematics, PPG College of Arts and Science, Coimbatore during 21 February 2024 – 25 February 2024.
13. Attended a Workshop on “Financial Literacy” organized by Sri G.V.G. Visalakshi College for Women in association with Beam Outsourcing Services on 15th February 2024

### Other College Activities :

Academic Year	Description	Activities
2019-2020	1. Administrative Responsibilities	1. Member in Examination Committee 2. Member in Discipline Committee
	2. Examination and Evaluation duties	1. Invigilator for Internal and External Examination 2. Question paper setter and Evaluator for Internal Examination
	3. Student Related Activities	1. Mentor and class in charge - II M.Sc Mathematics 2. Recommended students to participate in Summer internship Training Programme
	4. Organising Seminar, Conferences, Workshops etc.	1. Organising Committee member of online webinar on “ Awareness of Trends and Technology-Teaching, Learning and Evaluation through Google Classroom” conducted on 13.05.2020 organised by the Department.
2020-2021	1. Administrative Responsibilities	1. Member of Board of Studies in Mathematics Department, Sri G.V.G.Visalakshi College for Women. 2. Member of Discipline Committee
	2. Examination and Evaluation duties	1. Invigilator for Internal and External Examination 2. Question paper setter and Evaluator for Internal Examination
	3. Student Related Activities	1. Mentor and class in charge - I B.Sc Mathematics 2. Recommended students to participate in Summer internship Training Programme 3. Department Coordinator – Website 4. Department Coordinator – E-Content
	4. Organising Seminar, Conferences, Workshops etc.	1. Organising Committee member of “ Problem Solving Session – Algebra” from 18.01.2021 – 23.01.2021.
	5. Publication of research article	International Journal - 1.
2021- 2022	1. Administrative Responsibilities	1. Organising Member of the Student Induction Programme 2. Member of Discipline Committee
	2. Examination and Evaluation duties	1. Invigilator for Internal and External Examination 2. Question paper setter and Evaluator for Internal Examination
	3. Student Related Activities	1. Mentor and class in charge - I B.Sc Mathematics 2. Recommended students to participate in Summer internship Training Programme 3. Department Coordinator – Website 4. Department Coordinator – E-Content
	4. Organising Seminar, Conferences, Workshops etc.	1. Organising Committee member of Webinar series “Capacity Building Programme for Women Students of Mathematics” from 02.06.2021 – 08.06.2021.

<b>2022-2023</b>	<i>1.Administrative Responsibilities</i>	<ol style="list-style-type: none"> <li>1. Member of Board of Studies in Mathematics Department, Sri G.V.G.Visalakshi College for Women.</li> <li>2. Member of Discipline Committee</li> </ol>
	<i>2.Examination and Evaluation duties</i>	<ol style="list-style-type: none"> <li>1. Invigilator for Internal and External Examination</li> <li>2.Question paper setter and Evaluator for Internal Examination</li> </ol>
	<i>3.Student Related Activities</i>	<ol style="list-style-type: none"> <li>1.Mentor and class in charge - I B.Sc Mathematics</li> <li>2.Recommended students to participate in Summer internship Training Programme</li> <li>3. Department Coordinator – Website</li> <li>4. Department Coordinator – IBM for Excellence</li> <li>4. Department Incharge – Research Admission</li> </ol>
<b>2023-2024</b>	<i>1.Administrative Responsibilities</i>	<ol style="list-style-type: none"> <li>1. Member of Board of Studies in Mathematics Department, Sri G.V.G.Visalakshi College for Women.</li> <li>2. Member of Discipline Committee</li> <li>3. Red Ribbon Club - Convenor</li> </ol>
	<i>2.Examination and Evaluation duties</i>	<ol style="list-style-type: none"> <li>1.Invigilator for Internal and External Examination</li> <li>2.Question paper setter and Evaluator for Internal Examination</li> <li>3.Question paper setter and Evaluator for External Examination</li> </ol>
	<i>3.Student Related Activities</i>	<ol style="list-style-type: none"> <li>1. Mentor and class in charge - II B.Sc Mathematics</li> <li>2. Motivated and recommended students to participate in Summer internship Training</li> <li>3. Department Coordinator – Website</li> <li>4. Department Coordinator – IBM for Excellence</li> <li>5. Department Incharge – Research Admission</li> </ol>
	<i>4.Organising Seminar, Conferences, Workshops etc.</i>	1.Organised and coordinated “MTTS Overture-2023” 16.10.2023 & 17.10.2023
	<i>5.Publication of research article</i>	International Journal - 1
	<i>6. Presentation of research article</i>	International Conference - 2