



**RIYA V.M**  
**riyavm@gmail.com**

## OBJECTIVE:

In pursuit of challenging assignments that would facilitate the maximum utilization and application of my broad skills and expertise in making a positive difference to the organization.

## Faculty Profile

Name	: Dr Riya V M
Department	: Mathematics
Email	: <a href="mailto:riyavm@gmail.com">riyavm@gmail.com</a>
Educational Qualifications	: Msc, Mphil, B Ed, PhD in Mathematics
Area of Interest	: Topology
Subjects Taught	: Real Analysis, PDE and Integral Equations, Linear Algebra, Multi Variable Calculus, Calculus, Number Theory
Field of Research	: Topology
Ph.D. Produced	: Nil
Research Guideship details	: Research Guide on St Josephs College, Irinjalakkuda
Registered Research Scholar Details	: Anila N A, Sincy B

## Research Topics:

M. Phil.	: A Study on locally closed sets and SG locally closed Sets in Topological spaces
Ph.D.	: On Intuitionistic Fuzzy Generalized $\gamma^*$ closed sets

## Publications

1. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy  $\gamma^*$  generalized closed sets” Advances in fuzzy mathematics, 12(3), 2017, 389 – 410.
2. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy  $\gamma^*$  generalizd continuous mappings”, Global journal of pure and applied mathematics, 13(7), 2017, 2859 -2874.
3. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy almost  $\gamma^*$  generalized continuous mappings”, Applied mathematical sciences, 11(31), 2017, 1531 -1538.
4. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy  $\gamma^*$  generalized closed mappings”, International journal of

mathematics trends and technology, 47(5), 2017, 323 -331.

5. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy  $\gamma^*$  generalized connectedness”, International journal of mathematics and its applications, 5(4), 2017, 353-359.
6. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy  $\gamma^*$  generalized homeomorphisms”, International journal of applied mathematical analysis and applications, 12(2), 2017, 263-272.
7. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy contra  $\gamma^*$  generalized open mappings”, International journal of mathematical archieve, 9(1), 2018, 93-99.
8. **Riya, V. M., and Jayanthi, D.,** “Completely  $\gamma^*$  generalized continuous mappings in intuitionistic fuzzy topological spaces”, International journal of pure and applied mathematics, 119(12), 2018, 16059-16067.
9. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy almost  $\gamma^*$  generalized closed mappings”, Journal of Tripura mathematical society, 19, 2017, 84-96.
10. **Riya, V. M., and Jayanthi, D.,** “Intuitionistic fuzzy contra  $\gamma^*$  generalized continuous mappings”, Notes on intuitionistic fuzzy sets”, (Advances and applications in Mathematical sciences, 23(9), 2024, 795-810
11. **Riya V M.,** “ $\gamma^*$  Closed sets in Intuitionistic fuzzy topological spaces”, Malaya journal of Mathematik, 13(01), 2025, 88-98

#### **Papers presented in the conferences**

1. **Riya, V. M., and Jayanthi, D.,** Completely  $\gamma^*$  generalized continuous mappings in intuitionistic fuzzy topological spaces, International conference on recent trends in mathematics and information technology, Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore 1<sup>st</sup> and 2<sup>nd</sup> March 2018.
2. **Riya, V. M., and Jayanthi, D.,** Intuitionistic fuzzy contra  $\gamma^*$  generalized open mappings, International conference on intuitionistic fuzzy sets and systems(ICIFSS), Vellalar college for women, 08 – 10 January 2018.
3. **Riya, V. M., and Jayanthi, D.,**  $\gamma^*$  closed sets in Intuitionistic fuzzy topological spaces, National conference on mathematical modelling(NCMM), Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore 14<sup>th</sup> July 2017.

#### **Conferences participated**

1. National Conference on “Applications of Partial Differential Equations” held in Jan 2007 at Department of Mathematics, Bharathiyar University Coimbatore.
2. UGC Sponsored National Conference on Recent Trends in Fuzzy Mathematics held on 9<sup>th</sup> and 10<sup>th</sup> March 2007 at Department of Mathematics, N.G.M College, Pollachi
3. National conference on Graph Theory and automata held during 22-24<sup>th</sup> March 2007, Department of Mathematics, Govt College Chittur, Kerala.
4. International conference on Mathematics and Computer Science held on 15, 16 and 17 December 2016, Nirmala College for Women Coimbatore.
5. National level Conference on current scenario in Pure and Applied Mathematics, held in Kungunadu Arts and Science College Coimbatore on 22 & 23 December 2016.
6. Research convention- Scientific strategies for quality research, Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore on 28<sup>th</sup> February 2018.

7. Pre and post perspectives of research convention, Avinashilingam Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore on 4<sup>th</sup> march 2017.

#### **Refresher Courses and FDP Attended**

1. 1 day National Webinar on Outcome based Education : Methods and Modalities, KSHEC,IQAC Sree Narayana college Nattika
2. 7 days online **Faculty Development Programme** in Quality Science Education in India in the 21st Century,Guru Angad TLC SGBT Khalsa College, University of Delhi, PMMMNMTT of MoE and Christ College Irinjalakkuda
3. Online FDP on Best Practices in Research, Sree Narayana Collge, Nattika In collaboration with Kerala State Higher Education Council
4. Online **one week FDP** on “Multimedia Tools for Teaching and Learning”,Teaching Learning Centre, Ramanujan College, University of Delhi In Collaboration with Sree Narayana College, Nattika,
5. **7 days short run Course** in E-Content Development and Course Design by the MHRD Teaching Learning Centre, University of Calicut,MHRD Teaching Learning Centre, University of Calicut
6. Online **one week FDP** on “Multimedia Tools for Teaching and Learning”, Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
7. **30 days Faculty Induction Programme**, HRDC , University of Calicut.

8. **Refresher Course** in Applied Mathematics and Statistics offered by the Malaviya Mission Teacher Training Centre, Kannur University

#### **Workshops/Wbinars/Quiz Organised**

1. Institute For Home Science and Higher Education For Women, Coimbatore on 21<sup>st</sup> and 22<sup>nd</sup> sep. 2017.
2. Math yard 2017, Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore on 3<sup>rd</sup> and 4<sup>th</sup> January 2017.
3. Organized A Webinar” Parampara” 2020 , Department Of Mathematics In Association With Kerala State Higher Education Council And IQAC
4. Power Quiz 2021
5. Constitution Day Quiz 2021
6. KSEB Power Quiz 2022
7. Sports Day Quiz 2022
8. Quiz competition in Connection with Independence Day
9. Inter Collegiate Quiz Competition 2021-22
10. 30 hours Certificate course on Fundamental of Financial Accounting for Various departments 2023-24

#### **Workshops Participated**

1. Scholarly communication and quality journal paper writing, Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore on 28<sup>th</sup> July 2017.
2. Cyberethics: Social and moral issues, Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore on 17<sup>th</sup> February 2018.
11. Intellectual property rights and patenting, Avinashilingam Institute For Home Science and Higher Education For Women, Coimbatore on 20<sup>th</sup> sep. 2017.

### **Academic Responsibilities Undertaken**

1. Class Tutor
2. Senior Supdt. of University examinations
3. Research and Publication Committee -Member
3. Additional examiner for university valuation.
4. External examiner for B.Sc. and M.Sc. Viva Voce and project evaluation

### **Duties Performed at College**

Quiz Club- Coordinator Extension

Committee -Member

Library Advisory Committee-Member Science Club-  
Member

Young Innovators Programme -Member

**Riya V.M**