

Dr. Preethi Kuttipulackal

■ Address:

1. Official:

Associate Professor and Head
Department of Mathematics
University of Calicut

2. Residential:

Kuttipulackal House, Kolakkattuchali PO, Chelembra, Malappuram, Kerala, 673634

■ Education:

SSLC: GHS Porur, 1988

Pre Degree: DGM MES Mampad Colege 1990

B.Sc. Mathematics: DGM MES Mampad Colege 1993

M.Sc. Mathematics DGM MES Mampad Colege 1995

NET Lectureship in Mathematics UGC-CSIR: June 1995

B.Ed. Mathematics: Govt. College of Teacher Education, Kozhikode, 1996

M.Phil Mathematics: Dpt of Mathematics University of Calicut, 2008

Ph.D Mathematics: Dpt of Mathematics University of Calicut, 2013

■ Teaching Experience:

A. Temporary appointment through Employment Exchange, Kerala

1. HSA: GHS Thiruvalli, Malappuram, Oct. 1996 - Mar. 1997

2. HSA: GHS Porur, Malappuram, Jun. 1997 - Sep. 1997

B. Permanent

1. PG Teacher- Central Govt.; Kendriya Vidyalaya, Rajkot, Gujarat, Sep. 1997 - Oct. 1998

2. Lecturer University of Calicut Department of Mathematics, University of Calicut: 12 October 1998 onwards

■ Currently

Associate Professor & Head, Department of Mathematics, University of Calicut

■ Recent Publications:

1. The mixed tree domination polynomial of some path related graphs; Rafia Yusuf and preethi Kuttipulackal; International Journal of Applied Engineering Research Vol.14, Number 8, 2019(Special Issue. <http://www.ripublication.com>

2. A Study of Mixed Tree Domination polynomial in some class of Graphs; Rafia Yusuf and preethi Kuttipulackal; South East Asian Journal of Mathematics and Mathematical Sciences Vol.5, No.3(2019), 129-140.

3. Tree Domination Polynomial of Some Graphs; Rafia Yusuf and preethi Kuttipulackal; Malaya Journal of Matematik, Vol S. No.1, 2019, pages 451-456. <http://doi.org/10.26637/MJM0S01/0080>.

4. The Mixed Tree Domination Polynomial of Some Derived Graphs; Rafia Yusuf and preethi Kuttipulackal; International Journal of Research in Advent Technology, March 2019, Vol 7. No.3, pages 1193-1199; impact factor: 5.153.

5. The mixed tree domination polynomial of some derived graphs; Rafia Yoosuf, Preethi Kuttipulackal, “”, International conference on novel trends in pure and applied mathematics, ICNTPAM-2019, held at department of Mathematics, University of Kerala, Kariavattom, Thiruvananthapuram on January 22-24, 2019(Paper presented).

6. The mixed tree domination polynomial; Preethi Kuttipulackal and Rafia Yoosuf, Contemporary studies in discrete mathematics, Vol.2, 2018, 15-19, e-ISSN: 2581-3678.

7. Cube Harmonius Labeling; Rafia Yusuf and preethi Kuttipulackal; Memes-Interdisciplinary Science Journal, 2017 Vol 1(1), 95-100. <http://mesmampad.org/researchjournals.php>.

8. Domination in Hypergraphs; Rafia Yusuf and preethi Kuttipulackal; Singularities- A Transdisciplinary biannual Research Journal, 558-563, 2018.

9. A generalization of Euler’s formula in hypergraphs; Preethi Kuttipulackal, Paper presented in the National Seminar on Topology and Applications.,University of Calicut, 2016.

■ Courses Taught:

A. MSc. Mathematics

1. Abstract Algebra - I

2. Abstract Algebra - II

3. Linear Algebra
4. Real Analysis - II
5. Discrete Mathematics
6. Number Theory
7. Representation Theory of Finite Groups
8. Linear Programming and its Applications
9. Operations Research
10. Functional Analysis
11. Algebraic Topology

B. MPhil/Ph.D Mathematics

1. Module Theory
2. Algebraic Graph Theory
3. Domination in Graphs
4. Spectrum of Graphs

C. Current Research Areas include

1. Domination Theory of Graphs
2. Polynomials of Graphs related to various Parameters
3. Hypergraph Theory
4. Transitive Graphs