

FACULTY PROFILE TEMPLATE FOR WEBSITE

Basic Details:

- **Name:** Dr. L. Panneerselvam
- **Designation:** Assistant Professor
- **Phone Number:-** 9543165080
- **Email Id:** panneerl@srmist.edu.in
- **Area of Specialization:** Graph Theory, Design Theory
- **Affiliation:** SRM Institute of Science and Technology, Faculty of Ramapuram, Chennai-600089

Educational Details:

- **Degree –** PhD.
- **Area or Subject –** Mathematics-Graph Theory
- **University –** Periyar University
- **Awarded Year –**2024
- **Degree –** M.Phil.,
- **Area or Subject –** Mathematics
- **University –**Bharathiar University
- **Awarded Year –** 2016
- **Degree –**M.Sc.,
- **Area or Subject –**Mathematics
- **University –** Bharathiar University
- **Awarded Year –**2014
- **Degree –**B.Sc.,
- **Area or Subject –**Mathematics
- **University –** Bharathiar University
- **Awarded Year –**2012

Other Details:

Research Interests: □ Graph Theory, Design Theory

Selected Publications:

1. L. Panneerselvam, S. Ganesamurthy and A. Muthusamy, Proof of a conjecture on edge coloring of Kneser graph $K(t,2)$, Discrete Mathematics Letters,12 (2023) 217–221. (**Scopus ,ESCI**)
2. L.Panneerselvam, S. Ganesamurthy and A. Muthusamy, Hamilton cycles in the Generalized Mycielski's graph, Discrete Mathematics Algorithms and Applications, No. 2350088 (2023). (**Scopus , ESCI**)
3. A. Shanmuga Vadivu, L. Panneerselvam, A. Muthusamy, Solution to the outstanding case of the spouse-loving variant of the Oberwolfach problem with uniform cycle length, Journal of Combinatorial Designs 29 (2021), 114-124. (**Scopus , SCIE**)

Papers Presented:

1. Presented a paper in the 15th Annual Conference of the Academy of Discrete Mathematics and Applications (ADMA)} organized by the Department of Mathematics, CHRIST (Deemed to be University), Bengaluru, Karnataka during June 08-10, 2019.
2. Presented the paper entitled “Hamilton Waterloo Problem with □□-factors and □12- factors” in the 18th Annual Conference of ADMA and Graph Theory Day during June 09- 11, 2022 at the Department of Mathematics, Vellalar College for Women (Autonomous) Erode-12, Tamil Nadu, India.
3. Presented the paper entitled “Multidecomposition of Complete Graphs into Cycles and Claws” in the International Conference on Graph Theory (ICGT-2024) during January 08- 09, 2024 at the Department of Mathematics, Periyar University, Salem-11, Tamil Nadu, India.
4. Presented the paper entitled “Hamilton cycles in Generalized Mycielski Graphs” in the International Conference on Theoretical and Computational Graph Theory (ICTCGT2024) during January 10-12, 2024 at the Department of Mathematics, Vellalar College for Women (Autonomous) Erode-12, Tamil Nadu, India.

Working Papers:

1. L. Panneerselvam, M. Ilayaraja, A. Muthusamy, Multidecomposition of Complete Graphs into Cycles and Claws, Submitted to J. Algebra Comb. Discrete Appl. (Scopus)

Work in Progress:

1. L.Panneerselvam, A.Muthusamy, A note on the spouse-loving variant of the Oberwolfach problem with different cycles lengths, in preparation.
2. L.Panneerselvam and A. Muthusamy, Edge Coloring of Generalized Mycielski's graph, in preparation.

Research Experience: 7 years

Academic Experience: Nil

Workshops /Seminars/Conferences:

1. Participated in the International Conference on Discrete Mathematics, organized by Department of Mathematics, Periyar University, Salem, during Jan 4-7, 2018.
2. Participated in the Six day Workshop on Algebraic Graph Theory organized by Department of Mathematics and Computational Sciences, NITK, Surathkal during January 25-30, 2018.
3. Participated in the National Workshop on Graph Coloring and Algebraic Graph Theory organized by Department of Mathematics, Pondicherry University during March 06- 10, 2018.
4. Participated 14th Annual ADMA Conference & Graph Theory Day, organized by Dhirubhai Ambani Institute of Information and Communication Technology & Indian Institute of Technology, Gandhinagar, Gujarat, during Jun 6-10, 2018.
5. Participated in the International Conference on Discrete mathematics (ICDM VI-2018) organized by Department of Mathematics, National College, Thiruchippalli during December 14-17, 2018.
6. Participated in the 6th India-Taiwan Conference on Discrete Mathematics (ITCDM-2019) organized by Department of Mathematical Sciences, Indian Institute of Technology (BHU), Varanasi during November 15-18, 2019.

7. Participated in the The National Workshop on Linear Algebra and Applications (NWLAA2020) organized by the Department of Mathematics, Periyar University held during February 10-14, 2020.
 8. Participated in the The National Conference on Partial Differential Equations and Applications organized by the Department of Mathematics, Periyar University held during March 05-06, 2020.
 9. Participated in the The International Mathematics League of Innovative Solutions for Mathematical problems- 2020 organized by MIT School of Engineering, MIT ADT University, Pune held during May 18 to June 06, 2020.(through Online)
 10. Participated in the One Day National Webinar on Advances in Graph Theory organized by Ramanujan Club, Department of Mathematics, Government College Daman on June 29, 2020. (through Online)
 11. Participated in the National Level E-Quiz on Advanced Graph Theory organized by the PG and Research Department of Mathematics, Sacred Heart College (Autonomous) on July 13, 2020. (through Online)
 12. Participated in the MESMAC International Conference 2021 on What Next? Challenges Opportunities Promises organized by MES Mampad College (Autonomous), Mampad, Malappuram, Kerala on January 20, 2021. (through Online)
 13. Participated in Faculty Development Programme on open Source Software Tools for Research, Organized by Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai, during March 13-17, 2023. (through Online)
 14. Participated in the Recent Advances in Industrial and Applied Mathematics organized by the Department of Mathematics, Periyar University during July 27-28, 2023.
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