# RESUME

**Dr. Pavithra R,**

**Assistant Professor**
**Department of Mathematics**
**SN College, Punalur**
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Educational Qualifications

| Course | Board/University | Year of Passing | Percentage of Marks |
|---|---|---|---|
| Ph.D. Mathematics | University of Calicut | 2025 | |
| M.Phil. Mathematics | University of Calicut | 2018 | 93.40 |
| M.Sc. Mathematics | University of Calicut | 2016 | 87.00 |
| B.Sc. Mathematics | University of Calicut | 2014 | 94.00 |

Additional Qualifications

1. Qualified for JRF in 2018 June.
2. Qualified NET in 2017 December.
3. Qualified NET in 2017 June.
4. Qualified GATE 2017 with rank 180.

Teaching Experience

1. Worked as a guest lecturer in Central University of Kerala, Kasaragod. (April 2026 to August 2026)
2. Worked as a guest lecturer in Govt. College Kasaragod. (August 2025 - March 2026)
3. Worked as a guest faculty in Central University of Kerala, Kasaragod. (August 2024 - May 2025)
4. Worked as a guest lecturer in Govt. Victoria College Palakkad. (January 2019 - March 2019)

Publications

1. Pavithra R. and Reji T., On Locally Identifying Coloring of Strong Product of Graphs, *Discrete Mathematics, Algorithms and Applications*, 2025. https://www.worldscientific.com/doi/10.1142/S1793830925500521
2. Pavithra R. and Reji T., On Locally Identifying Coloring of Corona Product of Graphs, *Discrete Mathematics, Algorithms and Applications*, 2450032, 2024. https://doi.org/10.1142/S1793830924500320
3. Reji T. and Pavithra R., On Coupon Coloring of Cayley Graphs: In Amitabha Bagchi, Rahul Muthu(eds) Algorithms and Discrete Applied Mathematics. CALDAM 2023, *Lecture Notes in Computer Science*, Vol. 13947 (2023) Springer, Cham. https://doi.org/10.1007/978-3-031-25211-2_14
4. Reji T. and Pavithra R., On Coupon Coloring of Lexicographic Product of Graphs, *The Art of Discrete and Applied Mathematics*, Vol. 6 No. 1 (2023) #P1.03. https://doi.org/10.26493/2590-9770.1507.dc5
5. Reji T. and Pavithra R., On Coupon Coloring of Some Cayley Graphs, *Palestine Journal Mathematics*, Vol. 12(1), 2023.
6. Reji T. and Pavithra R., On Coupon Coloring of Rooted Product of Graphs, *Palestine Journal Mathematics*, Vol. 12(Special Issue II) 2023.
7. Reji T. and Pavithra R., Coupon Coloring of Ideal-Based Zero-Divisor Graphs, *South East Asian Journal of Mathematics and Mathematical Sciences*, Vol. 21, Proceedings (2022) 183 – 190.

Paper presentations

1. Presented a paper entitled "Coupon coloring of Cayley graphs" in the 9th Annual International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2023) organized by the Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat during February 9–11, 2023.

2. Presented a paper entitled "Coupon coloring of ideal-based zero-divisor graphs" in the Rev. Dr. Albert Muthumalai SJ Endowment Conference on Mathematical Sciences and Applications(Virtual) ICMSA 2022 organised by Dept. of Mathematics, St. Joseph's College (Autonomous), Tiruchirappalli during March 9–11, 2022.

3. Presented a paper entitled "Coupon coloring of direct product graphs" in the International Conference on Graphs, Combinatorics and Otimization (Online) organized by Dept. of Mathematics, BITS-Pilani, Dubai Campus, during February 6–8, 2022.

4. Presented a paper entitled "Coupon coloring of rooted product graphs" in the International Conference on Discrete Mathematics (ICDM-2021) organized by Dept. of Mathematics, Manonmaniam Sundaranar University, Tirunelveli, in association with Academy of Discrete Mathematics and Applications (ADMA) during October 11–13, 2021.

5. Presented a paper entitled "On coupon coloring of Cayley graphs" in the International Conference on Number Theory and Discrete Mathematics (ICNTDM-2020) organized by Ramanujan Mathematical Society and hosted by Rajagiri School of Engineering and Technology during December 11–14, 2020.

Conferences / Seminars / Webinars Attended

1. Participated in the three day International Conference on Algebra and Discrete Mathematics sponsored by KSCSTE and organized by the Department of Mathematics, Government College Kattappana with the Academic Support of the Institute of Mathematics Research and Training (IMRT) from $20^{th}$ to $22^{nd}$ February, 2024.

2. Participated in the 9th Annual International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2023) organized by the Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India during February $9^{th} - 11^{th}$ 2023.

3. Participated in the Indo-Dutch Pre-Conference School on Algorithms and Combinatorics of CALDAM2023 organized by the Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India during $6^{th} - 7^{th}$ 2023.

4. Participated in the International Conference on "Graphs, Combinatorics, and Optimization" organized by Department of Mathematics, BITS-Pilani, Dubai Campus, during February $6 - 8$, 2022.

5. Participated in the online International Workshop on Domination in Graphs during November $14 - 16$, 2021 jointly organized by Indian Institute of Technology Ropar and Academy of Discrete Mathematics and Applications.

6. Participated in the online workshop on "Recent Trends in Domination and Graph Labelling ( RTDGL-2021 ) organized by Department of Mathematics, Ramanujan College, University of Delhi in collaboration with Academy of Discrete Mathematics and Applications (ADMA) during $27^{th}$ May 2021 to $31^{st}$ May 2021.

7. Participated in the Online National Lecture Series on "Graph Theory and its Applications" organized by the Postgraduate and Research Department of Mathematics, Mar Thoma College Tiruvalla in collaboration with Kerala Mathematical Association (KMA) during $19 - 21$ August 2020.

8. Participated in the National Webinar on "Research Areas in Graph Theory" organized by the Department of Mathematics & Internal Quality Assurance Cell, Mar Thoma College for Women, Perumbavoor on $05/08/2020$.

9. Participated in the National National level webinar on "Graphs Colouring Problems" organized by the PG and Research Department of Mathematics, V.O.Chidambaram College on $08.07.2020$ (wednesday).

10. Participated in webinar organized by the Faculty of Science, Annamalai University in collaboration with ELSEVIER on "Basic Author Workshop Research Article Writing $\&$ Reference Management Using Mendeley" on Monday, $22^{nd}$ June $2020$.

11. Participated in the International webinar on "Emerging Trends in Graph Theory" organized by P.G $\&$ Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur from $14^{th}$ to $16^{th}$ June $2020$.

12. Participated in the "One Day National Webinar on Graph Theory" on $12.06.2020$ organized by the PG $\&$ Research Department of Mathematics, Government Arts College (Grade-1), C.Mutur, Chidambaram-608 102.

13. Participated in a webinar titled "Graphs from Rings" on $10^{th}$ June $2020$, organized by the Department of Mathematics, Presidency College (A), Chennai-600 005.

14. Participated in the Two day International Webinar on "Recent research Topics in Graph Theory" organized by the PG $\&$ Research Department of Mathematics. MES Mampad College(Autonomous) during $20 - 21$ May $2020$.

15. Participated in the National Webinar on "Research Advances in Graph Theory" organized by the Department of Mathematics, Justice Basheer Ahmed Sayeed College For Women, held on $28^{th}$ May $2020$.

Place: Punalur
Date: October 2026 Dr. Pavithra R