Faculty Profile

Faculty Name	:	Dr. REJI T
Designation	:	Associate Professor
Institution	:	Department of Mathematics, Government College Chittur, Palakkad, Kerala – 678104
Permanent Address	:	Kandathil House, Aranmula P. O, Pathanamthitta, Kerala.
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Experience Details	:	19 years
Educational qualifications	**:**	**M. Sc, M. Phil, Ph. D**

Course	University/ Institution	Year of Pass
UG	St. Thomas College, Kozhencherry(Mahatma Gandhi University)	1997
PG	S.B College, Changanacherry(Mahatma Gandhi University)	1999
M Phil	Kerala University	2001
Ph D	Kerala University	2006

Title of the Thesis : Study of Decomposition Problems in Graph Theory (Under the guidance of Prof. M I Jinnah, Kerala University) http://hdl.handle.net/10603/153023

Broad Area of Research :

Mathematics – Graph Theory

Google Scholar Link : https://scholar.google.com/citations?user=HFpWWVYAAAAJ&hl=en

ORCID : https://orcid.org/0000-0003-2712-3775

Publications

Sl. No.	Paper
1	Reji T and Jinitha Varughese. "Bounds for the decomposition dimension of some class of graphs", *Discrete Mathematics, Algorithms and Applications* (2022). Vol. 15, No. 06, 2250140 (2023) https://doi.org/10.1142/S1793830922501403.
2	Reji T, Ruby R and Sneha B**, "**LEAST COMMON MULTIPLE OF PRODUCT GRAPHS", Palestine Journal of Mathematics Vol. 12(Special Issue II)(2023) , 13–19 https://pjm.ppu.edu/paper/1356-least-common-multiple-product-graphs
3	Reji T, Pavithra R."Coupon Coloring of Rooted Product Graphs", Palestine Journal of Mathematics Vol. 12(Special Issue II) (2023), 7–12. https://pjm.ppu.edu/paper/1355-coupon-coloring-rooted-product-graphs
4	Reji T and Pavithra R. (2023). "On Coupon Coloring of Cayley Graphs." In: Bagchi, A., Muthu, R. (eds) Algorithms and Discrete Applied Mathematics. CALDAM 2023. Lecture Notes in Computer Science, vol 13947, 184-191. Springer, Cham. https://doi.org/10.1007/978-3-031-25211-2_14
5	Reji T, Pavithra R. "On Coupon Coloring of Some Cayley Graphs", Palestine Journal of Mathematics Vol. 12(1)(2023) , 265–272 https://pjm.ppu.edu/paper/1270-coupon-coloring-some-cayley-graphs
6	T. Reji, S. Vaishnavi, and F. J. H. Campeña, "A note on fold thickness of graphs", *Proyecciones (Antofagasta, On line)*, vol. 42, no. 1, pp. 167-174, Jan. 2023.https://doi.org/10.22199/issn.0717-6279-5655
7	Reji Thankachan, Ruby Rosemary, and Sneha Balakrishnan. "Projective Dimension of Some Graphs.", *Creat. Math. Inform.,* Vol. 32 No. 1 (2023) 87-96, https://doi.org/10.37193/CMI.2023.01.09
8	T. Reji, R. Ruby, B. Sneha, "Least Common Multiple of Path, Star with Cartesian Product of Some Graphs", *Journal of Mathematical Research with Applications*, (2022) Vol. 43 No. 1 (2023) 9-15, DOI:10.3770/j.issn:2095-2651.2023.01.002 https://caod.oriprobe.com/articles/64577931/Least_Common_Multiple_of_Path__Star_with_Cartesian.htm
9	Reji T and Pavithra R, " Coupon coloring of lexicographic product of graphs", *The Art of Discrete and Applied Mathematics,* (2022), doi.org/10.26493/2590-9770.1507.dc5 https://adam-journal.eu/index.php/ADAM/article/view/1507
10	Reji T, Pavithra R, " Coupon Coloring of Ideal based Zero divisor graphs". South East Asian Journal of Mathematics and Mathematical Sciences Vol. 21, Proceedings (2022), pp. 183-190. https://rsmams.org/journals/proceedings_articleinfo.php?articleid=65&tag=seajmams
11	Jinitha Varughese, Reji T, "On star decomposition dimension of some class of graphs." South East Asian Journal of Mathematics and Mathematical Sciences, Vol. 21, Proceedings (2022), pp. 197-206. https://rsmams.org/journals/proceedings_articleinfo.php?articleid=65&tag=seajmams
12	T. Reji and R. Ruby, "Decomposition dimension of corona product of some classes of graphs", *Proyecciones (Antofagasta, On line)*, vol. 41, no. 5, pp. 1239-1250, Sep. 2022. doi.org/10.22199/issn.0717-6279-5466
13	Reji T and Ruby R**, "**Decomposition dimension of some class of trees"*, J. Adv. Math. Stud.*, (2022), Vol. 15, No. 3, 338-347 http://fairpartners.ro/upload_poze_documente/files/VOLUMUL%2015(2011)%2C%20NR.%203/11_Reji.pdf

14	Reji Thankachan, and Vaishnavi Sidharthan. “Fold thickness of some classes of graphs”, *Creat. Math. Inform.,* Vol. 3, No. 2 (2022), pp 259-265. https://doi.org/10.37193/CMI.2022.02.11
15	Reji T., Ruby R.: “Decomposition dimension of Cartesian product of some Graphs”, *Discrete Mathematics, Algorithms and Applications,* (2022), https://doi.org/10.1142/S1793830922501154
16	Thankachan Reji, Ruby Rosemary, and Sneha Balakrishnan. "Gallai-Ramsey number for rainbow S3.", *Discrete Math. Lett.,* 10 (2022) 45-50, doi.org/10.47443/dml.2022.033. https://www.dmlett.com/archive/v10/DML22_v10_pp45-50.pdf
17	Reji T and Saritha Chandran C, “Common Multiples of path, star and cycle with complete bipartite graphs”, South East Asian Journal of Mathematics and Mathematical Sciences, Vol. 18, No. 1 (2022), pp. 351-362. https://rsmams.org/journals/articleinfo.php?articleid=700&tag=seajmams
18	Thankachan Reji and Saritha Chandran. "Common multiples of paths and stars with complete graphs." *Gulf Journal of Mathematics* 12.1 (2022): 1-14. https://doi.org/10.56947/gjom.v12i1.780
19	Reji T., Jinitha Varughese, and R. Ruby. "On graphs that have a unique least common multiple." *CUBO, A Mathematical Journal* 24.1 (2022): 53-62. https://doi.org/10.4067/S0719-06462022000100053
20	Reji T., and S. Vaishnavi. "Fold thickness of graphs." *Journal of the Ramanujan Math. Society”* 36.4 (2021): 291-299. http://www.mathjournals.org/jrms/2021-036-004/2021-036-004-005.html
21	Reji T., and R. Ruby. "On decomposition of multistars into multistars." *Ratio Mathematica* 41 (2021): 45 - 52. doi.org/10.23755/rm.v41i0.681 http://eiris.it/ojs/index.php/ratiomathematica/article/view/681
22	Reji T, Sneha B, “Least Common Multiple of Path with 3 edges and Cartesian product of cycles”, Aureole, Vol. XII, December 2020 , 166-172. https://aureoleonline.in/wp-content/uploads/2021/08/175_Aureole-2020.pdf
23	Reji T., and Jinitha Varughese. "Least common multiple of graphs." *Discrete Mathematics, Algorithms and Applications* 8.02 (2016): 1650032. https://doi.org/10.1142/S1793830916500324
24	Reji T. “Vector Spaces of a Graph”. Proc. of the U.G.C Sponsored National.Seminar on Graph Theory and its Applications-M.P.M.M.S.N.Trust College, Shoranur, 28-29 October 2015.
25	Reji T. “On Decomposition of Multistars into Multistars.” Proc. of the U.G.C Sponsored National.Seminar on Graph Theory and its Applications-St. Xaviers College, Aluva. 07-09 August 2014
26	Reji T. “Decomposition dimension and Partition Dimension of Graphs.” Proc. of the U.G.C Sponsored National.Seminar on Number Theory and Combinatorics- T.K.M Arts and Science College, Kollam, 29-31 October 2014.
27	Reji T. “On Multigraphs that have a Unique Least Common Multiple.” Proc. Of the U.G.C Sponsored National Conference on Graph Theory and Automata. Government College, Chittur. 22-24 March 2007
28	T. Reji, “On graphs that have a unique least common multiple with matchings”, Far East J.Appl. Math., vol. 18, no. 3, pp. 281–288, 2005.
29	M.I. Jinnah and Reji T. “Least Common Multiple of C 5 and K1,l.” Proc. Of the Annual Conference of Kerala Mathematical Association. 08-10 Jan 2004.

Paper Presentations

Sl No	Title of paper	Name of Conference	Date
1	Decomposition of Multistars into Multistars	International Conference on Graphs, Combinatorics and Optimization, BITS Pilani Dubai Campus	Feb 6-8, 2022

Research Projects and Grants

Sl No	Title	Funding Agency	Amount Sanctioned	Year
1	A study of Decomposition Problems in Graph Theory	UGC	Rs. 30000	2005

Research Guideship Details : Recognized as a research guide under University of Calicut.

Number of students registered for Ph D : 03

Number of students awarded : 01

Sl No	Name of the Scholar	Title of the Thesis	University	Year
1	Ruby R	A Study of Decomposition Related Concepts in Graph Theory http://hdl.handle.net/10603/472712	University of Calicut	February 2023

Seminars / Workshops Organized

Sl No	Name of the Programme	Venue	Date
1	'Enrichment Programme in Mathematics' sponsored by National Board for Higher Mathematics.	Govt. College Chittur	22-28, August 2012
2	LaTeX- A Technical documentation tool and advanced PYTHON Programming	Govt. College Chittur	December 14-15, 2009

Academic & Administrative Responsibilities

1. Member, Board of Studies (P.G), Calicut University

2. Member, Board of Studies (U.G), S.B. College (Autonomous), Changanacherry

3. Member, Academic Committee, Directorate of Collegiate Education, Kerala

4. Co-ordinator, Student Support Services(Hostel Management)-Comprehensive Education Management Information System, Directorate of Collegiate Education, Kerala