

FACULTY PROFILE:



Name: Dr. R. Prabha

Qualification: M.Sc., M.Phil., Ph.D, NET-JRF

Designation: Assistant Professor and Head

Years of Experience: UG: 15 PG: 02

Previous Experience: UG: 08 PG: Nil

Area of Specialization: Graph Theory, Combinatorics

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RESEARCH GUIDANCE

Ph.D Guiding	04
M.Phil Awarded	09

WORKSHOPS

S.No.	Organized by	State/National/ International	Topic	Date(s)
1	Tamil virtual University & Ethiraj College for women	State	Tamil Menporutkal Payanpaadu	07/09/2017
2	Institute of Mathematical Sciences, Chennai	State	Enrichment Workshop on “Algebra, Discrete Mathematics & Complex Analysis”	22/05/2017 to 27/05/2017
3.	Bishop Heber College (Autonomous) Tiruchirappalli – 17	State	Workshop on R-stat 2K17	20/02/2017 to 22/02/2017

JOURNAL PUBLICATIONS

S. No.	Journal Name	UGC/SCI / SCIE/W OS	ISBN/ISSN Number	Reference	Date of publication/ DOI
1.	AIP Conference Proceedings	Scopus	0094-243X	R.Prabha and B. Thenmozhi, <i>Power edge set of graphs</i> , AIP Conference Proceedings, accepted October (2021).	October, 2021
2.	Journal of physics: Conference series	Scopus	1742-6596	R.Prabha and B. Thenmozhi, <i>Global Power domination of graphs</i> , Journal of physics: Conference series -1770 (2021) 012065.	March, 2021
3	Journal of Physics: Conference series	Scopus	1742-6596	R.Prabha and R.Kalaiyarasi, <i>Isometric Path Partition Problem on Tree Derived Architectures</i> , Journal of Physics: Conf. Ser. 1770 012067 (2021).	2021
4	AIP Conference Proceedings	Scopus	0094-243X	R.Prabha and R.Kalaiyarasi, <i>Isometric path partition number of honeycomb derived networks</i> , AIP Conference Proceedings 2277, 100008 (2020).	06/11/2020 https://doi.org/10.1063/5.0025315 .
5	IOP Conf. Ser.: Mater.Sci.Eng.	Scopus	1757-899X	R.Prabha and R.Kalaiyarasi, <i>Isometric Path Partition Number of Butterfly Network and X Trees</i> , IOP Conf. Ser.: Mater.Sci.Eng. 912 062052 (2020).	11/09/2020
6	Advances Applications Mathematical Sciences.	UGC	0974-6803	R.Prabha and S. Renukaa Devi, <i>General position problem of Hexagonal Derived Networks</i> , Adv. Appl. Math. Sci., received June 20, (2020); accepted January 18 (2021).	2021
7	AIP Conference Proceedings	Scopus	0094-243X	R.Prabha and S. Renukaa Devi, <i>General position problem of Hypertree and Shuffle Hypertree Networks</i> , AIP Conference Proceedings 2277, 100015 (2020)	06/11/2020 https://doi.org/10.1063/5.0025311 .

8	Studies in Indian Place Names	UGC	2394-3114	R. Prabha and S. Renukaa Devi, General position problem of Tree Derived Architectures, Studies in Indian Place Names, Vol. 40, Issue-20, pages 371-376, (2020).	26/02/2020
9	Journal of Information and Computational Science	UGC	Volume 10, Issue 2, 827-832,	R. Prabha and B. Thenmozhi, Power domination number of some cycle derived graphs	2020
10	Advances and Applications in Mathematical Sciences,	UGC	Vol. 21, Issue-1, pages 225-232	R. Prabha and B. Sandhiya, Cover Pebbling number of ladder graph, triangular grid and shadow graph of a cycle	November 2021
11	Journal of Algebraic Statistics	UGC	Volume 13, No.2, 2022, pg - 3294-3299	R. Prabha and Sabreen Nazia G., General Position Problem of Middle, Splitting and Shadow graph of path, cycle and star	2022
12	Journal of Algebraic Statistics	UGC	Volume 13, No.2, 2022, pg- 3326-3332	R. Prabha and B. Thenmozhi, Power Domination Number of Some Convex Polytopes	2022
13	Journal of Algebraic Statistics	UGC	Volume 13, No.2, 2022, pg - 3286-3293	R. Prabha and R. Kalaiyarasi, Isometric Path Partition Number of Corona Product of Graphs	2022
14				Paul Manuel, Sandi Klavzar, R. Prabha, Andrew Arokiaraj, The geodesic cover problem for butterfly networks	https://doi.org/10.48550/arXiv.2210.12675
15	Bull. Malays. Math. Sci. Soc.	UGC		Manuel, P., Prabha, R. & Klavžar, S. The Edge General Position Problem	https://doi.org/10.1007/s40840-022-01319-8 .
16				Manuel, P., Prabha, R. & Klavžar, S. Generalization of edge general position problem	https://doi.org/10.48550/arXiv.2207.07357
17	International Journal of Pure and Applied Mathematics	UGC		R.Prabha and S.Vasanthi, Rainbow colouring of Circular fans	2016

18	International Journal of Pure and Applied Mathematics	UGC		Prabha.R and Thenmozhi. B, Power Domination of Middle graph of path, cycle, star	2017
19	International Journal of Pure and Applied Mathematics	UGC		R.Prabha and S.Vasanthi, Strong Rainbow connection of Shuffle Hypertree	2018
20	International Journal of Computer Sciences and Engineering	UGC		Prabha. R and Vadivukkarasi P.R, Energy of Cartesian Product of Graphs	2019
21	International Journal of Pure and Applied Mathematics	UGC		R.Prabha , dr-Power Domination of Circulant Networks	2018
22	Journal of Information and Computational Science	UGC		Prabha.R and Thenmozhi. B, Power Domination of Certain Cycle Derived Graphs	2020

FDP/STTP

S.No.	Organized by	State/National /International	Topic	Date(s)
1	University of Madras	National	Orientation Program	9-11-2010 to 6-12-2010
2	University of Madras	State	Measure Theory	5-11-2013 to 25-11-2013
3	University of Madras	State	Real Analysis	7-11-2017 to 27-11-2017
4	NPTEL -Swayam	National	Introduction to abstract and linear algebra	August – October 2019
5	Refresher course	National	TLC, Ramanujan College, University of Delhi	16-30 March 2021
6	ARPIT – Refresher course	National	Leadership and Governance NPTEL Swayam	April 2020

RESOURCE PERSON

S.No.	Organized by	State/National /International	Topic	Date(s)
1	Research Forum in Mathematics - St.Mary's College, Thoothukudi	State	Graph Theory – Isometric Path Partition Problems	21/12/2021
2	Anna Adarsh College for Women, Chennai	State	Workshop on Graph Theory “Domination Problems”	27/08/2019
3	Valliammal College for Women, Chennai	State	Workshop on Graph Theory “Coloring Problems”	05/02/2019
4	Sri Sairam Institute of Technology, Chennai	State	Two Days Instructional Workshop on Graph Theory and Discrete Mathematics	20/05/2015 to 21/05/2015
5	Saveetha institute of Medical and Technical sciences	State	Webinar on “Graph Theory	7/06/2022

Member Board of Studies: Department of Mathematics, M.O.P Vaishnav College for Women, Chennai – 34 for the academic year 2018-19.

Contributions to Government activities:

Member, Tamil Nadu State-integrated board of studies in Mathematical Sciences 2015.
TANSICHE.

Doctoral Committee Member: Loyola College, Chennai and Sathyabama Deemed University, Chennai.

Member of panel of examiners & paper setter for Colleges: Stella Maris College, Loyola College, Guru Nanak College.