

CURRICULUM VITAE

S.PADMASHINI

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PERSONAL INFORMATION

Name : Padmashini
Husband Name : Venkatesh K
Qualification : M.Sc., B.Ed., M.Phil., Ph.D.
D.O.B. : 15th May 1992
Gender : Female
Religion : Hindu
Caste : BC, Vadugan
Address : 1/51, Middle Street, Nakkalamuthanpatti,
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E-mail ID : padmashini1992@gmail.com
Mobile Number : +91 9655242842
Languages Known : English & Tamil (Read, Write & Speak)
Telugu (Speak)

ACADEMIC PROFILE

Examination	Institution	Year of Passing	Score
Ph.D. (Maths) (Part- Time)	Madurai Kamaraj University, Madurai.	Jan 2024	-
M.Phil (Maths)	S.R.N.M College, Sattur.	2016	95.9%
M.sc (Maths)	S.F.R College, Sivakasi.	2015	88.6%
B.Ed (Maths)	R.P.N College of Education, Kakkivadanpatti.	2013	83.7%
B.sc (Maths)	S.F.R College, Sivakasi.	2012	88%
HSC	S.H.N.G Hr.Sec.School, Sivakasi.	2009	89.42%
SSLC	S.H.N.G Hr.Sec.School, Sivakasi.	2007	89%

ACADEMIC PROJECT

Ph.D. Topic : A Study on Corporate Domination in Graphs.

STRENGTHS

- ❖ Presentation skills and leadership skills
- ❖ Excellent problem solving skills
- ❖ Systematic approach at work

SEMINAR ATTENDED

- ❖ Participated National Seminar on Algebra, Fuzzy Algebra and Fuzzy Graphs held at Saiva Bhanu Kshatriya College, Aruppukottai during 05-06, January 2015.
- ❖ Participated State level Workshop on “Graph Decomposition” held at V.V.Vanniyaperumal College for Women, Virudhunagar on 22.09.2015.
- ❖ Participated State Level Conference on Recent Developments in Mathematics on 23.09.2015, held at V.H.N.S.N College, Virudhunagar.

PRESENTATIONS

- ❖ Presented a paper in the Ramanujan Day Celebrations held at SFRC, Sivakasi, on 30.01.2014.
- ❖ Presented a paper entitled “**Wave equations**” held at SFRC, Sivakasi on 01.04.2015.
- ❖ Presented a paper and got **Third prize** held at Ayya Nadar Janaki Ammal College, Sivakasi on 03.01.2015.
- ❖ Presented a paper entitled “**Neighbourhood Highly Irregular Graphs**” on 13.09.2013 and won **First prize** in State Level Inter Collegiate Students’ Seminar held at Thiagarajar College, Madurai.
- ❖ Presented a paper entitled “**Edge- magic total labeling**” held at Saiva Bhanu Kshatriya College, Aruppukottai on 23.08.2014.
- ❖ Presented a paper entitled “**Inverse line domination Graphs**” on 16.09.2014 and got **First prize** in State Level Inter Collegiate Students’ Seminar held at Thiagarajar College, Madurai.
- ❖ Presented a paper entitled “**Fibonacci numbers**” held at SFRC, Sivakasi during the year 2014-2015.
- ❖ Presented a paper entitled “**Line Corporate Domination Graph**” in the “INTERNATIONAL CONFERENCE ON MATHEMATICS” organized by University of Kerala in collaboration with International Multidisciplinary Research Foundation held at University of Kerala, Thiruvananthapuram, Kerala, during November 26-28, 2015.
- ❖ Presented a paper entitled “**Some results of Domination on strong line corporate graph**” in the National level seminar on MODERN TRENDS IN DOMINATION THEORY held at Sri .S.R.N.M College, Sattur, on 17.03.2016 .

- ❖ Presented a paper entitled **“Corporate Domination on Graphs”** in the International Conference on Graph Theory and Its Applications sponsored by SERB SSN Trust, held at Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamil Nadu, India, during November 20-21, 2019.
- ❖ Presented a paper entitled **"On Corporate Domination Number of the Cartesian Product of C_n and P_n "** in the International Conference on Innovations in Graphs and its Alliances in Digital Era-2020, held at University of Kerala, Kariavattom, Thiruvananthapuram, Kerala, India, during January 22-24, 2020.
- ❖ Presented a paper entitled **“Corporate Domination Number of Cartesian Product of Two Paths ”** in an IQAC sponsored Two day International Conference on Recent Trends in Modern Mathematics, held at St. John’s College, Palayamkottai , Tamil Nadu, India, during September 23-24, 2021, in Virtual mode.
- ❖ Presented a paper entitled **“Vizing’s Conjecture on Corporate Domination of Cartesian Product of Cycle and Path”** in the International Conference on Discrete Mathematics organized by Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu in association with the Academy of Discrete Mathematics and Applications (ADMA) during October 11-13, 2021 in Virtual mode.
- ❖ Presented a paper entitled **“Vizing’s Conjecture on Corporate Domination of the Cartesian Product of $P_{3+1} \square P_n$ ”** during the 5th International Conference of Current Scenario in Pure and Applied Mathematics held at Kongunadu Arts and Science College, Coimbatore on 27-28, January 2022, in Virtual mode, Sponsored by Indian Science Congress Association, Coimbatore chapter.
- ❖ Presented a paper entitled **“Corporate Domination Chain in Graphs”** in the UGC Sponsored International Conference on Recent Advances of Pure and Applied Mathematics with Industrial Applications held at Arul Anandar College, Karumathur, Tamil Nadu, India, on 11, April 2022.
- ❖ Presented a paper entitled **“An Effect on Corporate Domination upon Edge- Vertex removal of Graphs”** in the International Conference on Analysis & Number Theory-2022 jointly organized by ANJAC, RIT, SFRC, Tamil Nadu, India, during 27-29, October, 2022.

CREDIT OF EXCELLENCE

- ❖ Passed typewriting examination (English, lower) in 2011..
- ❖ Got the **First place** in Bachelor of Education.
- ❖ Got the **Second place** in Master of Science.
- ❖ Awarded **“BEST OUT GOING STUDENT”** in Master of Science.
- ❖ Got the **Second place** in Master of Philosophy.

PAPER PUBLICATIONS

- ❖ Pethanachi Selvam. S, Padmashini. S, *Inverse Complementary Domination Graph*, International Journal of Mathematics Trends and Technology, Volume 25 Number 1-Sept 2015.

- ❖ Pethanachi Selvam. S, Padmashini. S, *Line Corporate Domination Graph* - IMRF Journals. Volume 4 Issue 2 - 2015.
- ❖ Padmashini. S. Nagarajan. K, *Domination on Strong Line Corporate Graphs*, IJMA, 7 (4), (2016), 143-150.
- ❖ Padmashini. S. Nagarajan. K, *Co-total Domination on Strong Line Corporate Graphs*, Int. J. of Sci, Engineering and Technology Research, 5 (3), March 2016, 811-816.
- ❖ Pethanachi Selvam. S, Padmashini. S, *At most Edge 3- sum cordial labeling for some graphs*, International Journal of Research in Engineering and Applied Sciences, 6 (7), (2016), 86-96.
- ❖ S. Padmashini and S. Pethanachi Selvam, *Corporate Domination Number of the Cartesian Product of Cycle and Path*, Mathematics and Statistics. 9 (1), (2021), 1-7. ISSN: 2332 - 2144. DOI: <https://doi.org/10.13189/ms.2021.090101>.
- ❖ S. Padmashini and S. Pethanachi Selvam, *On Corporate Domination in Graphs*, Adv. Math., Sci. J. 10 (4), (2021), 1959-1967. ISSN: 1857 - 8438. DOI: <https://doi.org/10.37418/amsj.10.4.10>
- ❖ S. Padmashini and S. Pethanachi Selvam, *Corporate domination number of the Cartesian Product of Two Paths*, A Conference Proceedings of Recent Trends in Modern Mathematics, Volume 2,(2021), 84-93. ISBN: 978-93-5578-172-7.
- ❖ S. Padmashini and S. Pethanachi Selvam, *The Corporate domination number of the Cartesian Product of two cycles*, Advances and Applications in Mathematical Sciences, 21 (8), (2022), 4833-4845. ISSN: 0974 - 6803.
- ❖ S. Padmashini and S. Pethanachi Selvam, *Vizing's Conjecture on Corporate Domination of $P_{n+1} \square P_n$* , Advances and Applications in Mathematical Sciences, 23 (2), (2023), 107-122. ISSN: 0974 - 6803.

COMPUTER PROFICIENCY

- ❖ All Basic computer skills like MS office
- ❖ Basic knowledge in C and C++ program
- ❖ A Thorough knowledge in Latex

EXPERIENCE

- ❖ Worked as Assistant Professor of Mathematics in The Standard Fireworks Rajaratnam College for Women, Sivakasi, during 01.06.2017 to 24.10.2017.
- ❖ Working as Assistant Professor of Mathematics in Sri. S. Ramasamy Naidu Memorial College, Sattur, from 01.09.2024.

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Sivakasi
Date: 19.05.2025

Yours Sincerely,
[Padmashini S]