

Staff Name : Dr .J. NANCY DELAILA
Faculty ID : TMA42
Designation : Assistant Professor
Department : Mathematics
Qualification : M.Sc., Ph.D.
Experience : 2 Months

Area of Specialization : Graph Theory, Wirelength Optimization Problems, Graph Embedding
Technical Skills : Matlab, Latex, Wolfram Alpha
Subject Handling in UG : Engineering Mathematics- I
Subject Handling in PG : Statistics for Management
Journal Published : International: 5 National: --

1. M. Arockiaraj, J.B. Liu, J.N. Delaila, A.J. Shalini, On the optimal layout of balanced complete multipartite graphs into grids and tree related structures, *Discrete Applied Mathematics*, 288, (2021) 50-65. Science Citation Indexed, IMPACT FACTOR: 1.254
2. M. Arockiaraj, J.N. Delaila, J. Abraham, Optimal Wirelength of Balanced Complete Multipartite Graphs onto Cartesian Product of {Path, Cycle} and Trees, *Fundamenta Informaticae*, 178(3) (2021) 187-202. Science Citation Indexed, IMPACT FACTOR: 1.333.
3. J.B. Liu, M. Arockiaraj, J.N. Delaila, Wirelength of Enhanced Hypercube into Windmill and Necklace Graphs, *Mathematics*, 7(5), (2019) 383. Science Citation Indexed, IMPACT FACTOR: 2.592.

4. M. Arockiaraj, A.J. Shalini, J.N. Delaila, Embedding Algorithm of Spined Cube into Grid Structure and Its Wirelength Computation, Theoretical computer science, 905 (2022) 69-86. Science Citation Indexed, IMPACT FACTOR: 1.002
5. J.B. Liu, A.J. Shalini, M. Arockiaraj, J.N. Delaila, Characterization of the Congestion Lemma on Layout Computation, Journal of Mathematics, 2021 (2021) 2984703. Science Citation Indexed, IMPACT FACTOR: 1.555.

Paper Presented in Conferences : International: 06 National: --

1. International Conference on Mathematical Computer Engineering (ICMCE-2017) held during November 3-4, 2017 at VIT University, Chennai, a paper titled 'Total Chromatic Number of Certain Lexicographic Product Graphs'.
2. International Conference on Advance in Applicable Mathematics (ICAAM-2017) held during December 7-8, 2017 at Bharathiyar University, Coimbatore, a paper titled 'Total Coloring of Certain Lexicographic Product Graphs'.
3. International Conference on Computing Sciences during January 08 - 09, 2018 held at Loyola College, Chennai, a paper titled "Total Coloring of Certain Wreath Product Graphs".
4. International Conference on Computing Sciences during November 16-17, 2018 held at Loyola College, Chennai, a paper titled "Minimum Layout of Enhanced Hypercube into Certain Graphs".
5. International Conference on Mathematical Computer Engineering (ICMCE-2018) held during November 23-24, 2018 at VIT University, Chennai, a paper titled "Exact Wirelength of Complete Multipartite Graph into Certain Graphs".

6. **International Conference on Mathematical Computer Engineering (ICMCE-2020) held during February 21-22, 2020 at VIT University, Chennai, a paper titled “Optimal Wirelength of Spined Cube into Grid”.**

Google Scholar ID : <https://scholar.google.com/citations?user=khwWFQ0AAAAJ&hl=en>