

Dr. Venugopal K

List of Publications

Assistant Professor

Educational

Qualification M.Sc., B.Ed, (Ph.D)

Experience Teaching: 8 Years

Area of Interest Graph Theory

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List of Publications

[International Journal : 08](#)

List of International Journal Publications:

1. Venugopal. K., and K. A. Vidya. *"Multiple Intruder Locating Dominating Sets in chordal and bipartite graphs"*, *Advances and Applications in Mathematical Sciences*, Volume 21, Issue 10, Pages 5731-5742, August 2022, Web of Science indexed journal
2. K. Venugopal, K. A. Vidya, "Multiple Intruder Locating Dominating Sets", *International Journal of Scientific Research in Mathematical and Statistical Sciences*, 6 (2), 394-398, 2019.
3. Venugopal. K., and K. A. Vidya. *"Multiple Intruder Locating Domination in infinite grids"*, *Advances and Applications in Discrete Mathematics*, Volume 24, Issue 1, Pages 1 -12 (May 2020), Web of Science indexed journal.
4. Venugopal. K., and K. A. Vidya. *" Multiple Intruder Locating Dominating Sets in graphs: An algorithmic approach"*, *Communications in Mathematics and Applications*, Volume 11, Issue 2, Pages 259 - 269 (June 2020) Web of Science indexed journal.
5. Vidya , K. A., & Venugopal, K. (Jan 2024). ON APPROXIMATION OF MULTIPLE INTRUDER LOCATING DOMINATION NUMBER OF A GRAPH. *Advances and Applications in Discrete Mathematics*, 41(1), 77–96.
<https://doi.org/10.17654/0974165824005>
6. N. Dimri, A. Srivastava, M. Ananya, S. Math, K. Venugopal and S. N. Kavitha, "Parameterized Complexity for Query Subset Optimization," 2024 8th International

Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), IEEEExplore, Bengaluru, India, 2024, pp. 1-5, <https://doi.org/10.1109/CSITSS64042.2024.10816997>

7. Venugopal. K, A. Muralidharan, C. K. Subhasa, N. Sarode and P. Prasad, "Quantum Algorithmic Approaches to Protein Folding: A Comprehensive Study of Diverse Lattice Structures," 2024 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), IEEEExplore ,Bengaluru, India, 2024, pp. 1-6, <https://doi.org/10.1109/CSITSS64042.2024.10816928>
8. Aneesh Adiga S, Sunil Joshi, Khushi Ligade, Mahak Mandhania, Venugopal K., Optimization of Ansatz States for Simulation of Hawking Radiation using Variational Quantum Eigensolver, RVJSTEAM, Volume 5 Issue 2 July 2024 Page 1-10.