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Educational Qualification: M.Sc.,M.Phil., Ph.D

Number of NPTEL course completed: 4

Teaching Experience: 24 years

Area of research: Graph Labeling

Research Publication:

- [1] J. BaskarBabujee and R.Jagadesh, “*On Lexicographic Product of Graphs*”, International journal of Mathematics and Computer Science, Vol.2, No.2,

(2007),163-168.

- [2] J.BaskarBabujee and R.Jagadesh, “*Prime Labeling For Connected Graphs*”, International Review of Pure and Applied Mathematics, Vol 4,No.1, (2008), 69-79.

- [3] J.BaskarBabujee and R.Jagadesh, “*Super Edge Bimagic Labeling for Graphs with Cycles*”, Pacific-Asian Journal of Mathematics, Vol.2, No.1-2,(2008), 9-18.

- [4] J.BaskarBabujee and R.Jagadesh, “*Super Edge Bimagic Labeling for Disconnected Graphs*”, International Journal of Applied Mathematics & Engineering Sciences, Vol.2, No.2,(2008), 171-175.

- [5] J.BaskarBabujee and R.Jagadesh, “*Super Edge Bimagic Labeling for Trees*”, International Journal of Analyzing Methods of Components and Combinatorial Biology in Mathematics, Vol.1, No.2, (2008), 107-116.

- [6] J.BaskarBabujee and R.Jagadesh, “*Super edge bimagic labeling for some classes of connected graphs derived from fundamental graphs*”, International Journal of Combinatorial Graph Theory and Applications, Vol 1, No .2, (2008), 85-92.

- [7] J.BaskarBabujee and R.Jagadesh, “*Vertex consecutive edge bimagic labeling for Star like graphs*”, Global Journal of Applied Mathematics and Mathematical Sciences, Vol.1, No.2,(2008), 197-202.

- [8] J. BaskarBabujee and R.Jagadesh, “*On General Product of Graphs*”, International Journal of Computer, Mathematical Sciences and Applications, Vol.2, No.4,(2008), 307-318.

- [9] J.BaskarBabujee and R.Jagadesh, “*Prime Labeling for some class of Acyclic Graphs*”, International Journal of Analyzing of Components and

Combinatorial Biology in Mathematics, Vol.1, No.1, (2009), 27- 35.

- [10] J.BaskarBabujee, R.Jagadesh and V.Vishnupriya, “*On a-vertex Consecutive Edge Bimagic Total Labeling for Some Class of Graphs Derived from Fundamental Graphs*”, Pacific-Asian Journal of Mathematics, Volume 3, No.1-2,(2009), 283-291.
- [11] J.BaskarBabujee and R.Jagadesh, “*Super edge bimagic labeling for tree like Graphs*”, Pacific- Asian Journal of Mathematics, Volume 3, No.1-2,(2009), 277-281.
- [12] J.BaskarBabujee, V.Vishnupriya andR.Jagadesh, “*On a-vertex Consecutive Edge Bimagic Labeling for Trees*”, International Journal of Computational Mathematics and Numerical Simulation, Vol.2, No.1, (2009),79-90.
- [13] J.BaskarBabujee andR.Jagadesh, “*On a-vertex Consecutive Edge BimagicTotal Labeling for Graphs with Cycles*”, Indian Journal of Mathematics and Mathematical Sciences, Vol.5, No.2, (2009), 185-194.
- [14] R.Jagadeshand J.BaskarBabujee, “*Superior Edge Bimagic Labeling*”,International Journal of Mathematics and Combinatorics,Vol.3, (2015), 33-42.
- [15] R.Jagadesh and J.BaskarBabujee, “*On Edge Vertex Prime Labeling*”, International Journal of Pure and Applied Mathematics ,Vol.114, No.3, (2017), 209-218.
- [16] L.Vasu,R.Jagadesh and R.Sundareswaran “*Vulnerability Parameters in Honeycomb Networks*” , Advances in Mathematics Scientific Journal 10(2021),no.1,679-686 ,<https://doi.org/10.37418/amsj.10.1.69>

Papers presented in the conference

1. J.BaskarBabujee and R.Jagadesh, “*On Strong Product of Graphs*”,

Proceedings of the National Conference on Mathematical Techniques and Applications, Narosa Publications, (2007),215-218.

2. J.BaskarBabujee and R.Jagadesh, “*On Composition of Graphs*”, Proceedings of the Indian Conference on Intelligent Systems, Allied Publishers, (2007)118-122.
3. R.Jagadesh, J.BaskarBabujee,“*Super edge bimagic labeling*” , Proceedings of the International conference on Mathematics and Computer Science,(2009),79-82.
4. R.Jagadesh, V.Vishnupriya, J.BaskarBabujee,“*On Vertex Consecutive Edge Bimagic total labeling for Trees*”, Proceedings of the National conference on Recent Trends in Advanced Mathematics,(2010), 191-197.
5. J. BaskarBabujee and R.Jagadesh,“*Relatively Prime numbers and Graph Labeling*”, National Conference in New Trends in Number Theory NCNTNT, OsmaniaUniversity,Hyderabad18th and 19th,March 2006.
6. J.BaskarBabujee, R.Jagadesh, “*Prime Labeling for Connected and Disconnected Graphs*”, International Conference on Number Theory &Combinatorics, SASTRA University,19-20 Dec 2006.
7. J.BaskarBabujee, R.Jagadesh and V.Vishnupriya,“*Prime Labeling for Disconnected Graphs*”, CMAASM2007, 06-08 January 2007, IITM.
8. J.BaskarBabujee and R.Jagadesh, “*Prime Labeling for Tree like Graphs* ”, Jubilee Conference on Discrete Mathematics, Banasthali University, Jaipur, Jan 11-13,2009.
9. R.Jagadesh and J.BaskarBabujee , “ *Edge Vertex Prime Labeling For Some Class of Graphs*”, National Conference on Recent Trends in Mathematics and its Applications ,SRM University, Vadapalani Campus, Chennai, Feb 24-25, 2017.

