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Area of Specialization : Graph Theory

List of Publications :

Journals:

1. Selvam Avadayappan, R.Vasuki and P.Jeyanthi, (2000), "Magic Strength of a graph", Indian Journal of Pure and Applied Mathematics, 31(7), 873-883.
2. Selvam Avadayappan, P.Jeyanthi and R.Vasuki, (2001), "Super Magic Strength of a graph", Indian Journal of Pure and Applied Mathematics, 32(11), 1621-1630.
3. R.Vasuki and A.Nagarajan, (2009), "Meanness of the Graphs $P_{a,b}$ and P_a^b ", International Journal of Applied Mathematics, 22(4), 663-675.
4. Selvam Avadayappan and R.Vasuki, (2009), "Some results on Mean Graphs", International Journal of Physical Sciences, 21(1)M ,273-284.
5. R.Vasuki and A.Nagarajan, (2009), "Some Results on Super Mean Graphs", International Journal of Mathematical Combinatorics, 3, 82-96.
6. R.Vasuki and A.Nagarajan, (2010), "On the Construction of New Classes of Super Mean Graphs", Journal of Discrete Mathematical Sciences & Cryptography, 13(3), 277-290.
7. Selvam Avadayappan and R.Vasuki, (2010), "New families of Mean Graphs", International Journal of Mathematical Combinatorics, 2, 68-80.
8. R.Vasuki and A.Nagarajan, (2011), "Further Results on Super Mean Graphs", Journal of Discrete Mathematical Sciences & Cryptography, 13(3), 193-206.
9. A.Nagarajan and R.Vasuki, (2011), "On the Meanness of Arbitrary Path Super Subdivision of paths", Australasian Journal of Combinatorics, 51, 41-48.
10. A.Nagarajan and R.Vasuki, (2011), "Further Results on Mean Graphs", Scientia Magna, 6(3), 1-14.
11. R.Manoharan, R.Vasuki and R.Manisekaran (2011), "Ideal Graph of a Graph", International Journal of Mathematical Combinatorics, 3, 11-16.
12. A.Nagarajan R.Vasuki and S.Arockiaraj, (2012), "Super Mean Number of a Graph", Kragujevac Journal of Mathematics, 36(1), 61-75.
13. R.Vasuki and A.Nagarajan, (2012), "Odd Mean Labeling of the Graphs $P_{a,b}$, P_a^b and $P_{<2a>}^b$ ", Kragujevac Journal of Mathematics, 36(1), 125-134.
14. R.Vasuki, A.Nagarajan and S.Arockiaraj, (2013), "Even Vertex Odd Mean Labeling of Graphs", SUT Journal of Mathematics, 49(2), 79-92.
15. R.Vasuki and S.Arockiaraj, (2013), "On Mean Graphs", International Journal of Mathematical Combinatorics, 3, 22-34.

16. P.Sugirtha,R.Vasuki and J.Venkateswari,(2015), "Some New Super Mean Graphs", International Journal of Mathematics Trends and Technology,19(1),62-73.
17. P.Sugirtha,R.Vasuki and J.Venkateswari, (2015), "Skolem Difference Odd Mean Labeling of H-Graphs", International Journal of Mathematical Combinatorics, 1 ,96-106.
18. G.Pooranam,R.Vasuki and S.Suganthi,(2015), "On Construction of Even Vertex Odd Mean Graphs", International Journal of Mathematics and its Applications,3(2),161-168.
19. J.Venkateswari,R.Vasuki and P.Sugirtha,(2015), "Super Pair Sum Labeling of H-Graphs", International Journal of Mathematics and its Applications,3(2),177-183.
20. S.Suganthi,R.Vasuki and G.Pooranam,(2015), "Some Results On Odd Mean Graphs", International Journal of Mathematics and its Applications, 3(3-B),1-8.
21. R.Vasuki, J.Venkateswari and G.Pooranam, (2015), "Skolem Difference Odd Mean Labeling For Some Simple Graphs", International Journal of Mathematical Combinatorics, 3, 88-98.
22. R.Vasuki and J.Venkateswari,(2015), "Odd Vertex Skolem Difference Odd Mean Labeling of Graphs", Global Journal of Pure and Applied Mathematics, 11(6), 5043-5056.
23. G.Pooranam,R.Vasuki and S.Suganthi, (2016), "Even Vertex Odd Mean labeling of Transformed Trees", SUT Journal of Mathematics, 52(2) ,117-131.
24. R.Vasuki,S.Suganthi and G.Pooranam,(2016), "Further results on Odd mean labeling of some subdivision graphs", Journal of Algorithm and Computation,48(1),81-98.
25. R.Vasuki, P.Sugirtha and J.Venkateswari,(2017), "Super mean labeling of some subdivision graphs", Kragujevac Journal of Mathematics, 41(2) ,179-201.
26. R.Vasuki,L.Velmurugan and P.Sugirtha,(2017),"Some Results On Super Pair Sum Graphs", Journal of Discrete Mathematical Sciences & Cryptography, 20(2) ,463-477.
27. R.Vasuki and S.Arockiaraj, (2017), "On Super Mean Graphs", Utilitas Mathematica, 103, 335-351.
28. R.Vasuki, S.Arockiaraj and P.Sugirtha, (2017), "Super Pair Sum Labeling of Graphs", Journal of Algorithms and Computations, 49(2), 13-22.
29. R.Vasuki and G.Pooranam, (2017), "One modulo N Mean Labeling", International Journal of Pure and Applied Mathematics, 116(4), 845-854.
30. R.Vasuki, (2019),Further Results On Odd Mean Graphs, Global Journal of Pure and Applied Mathematics, 15(2),147-160.
31. R.Vasuki ,S.Suganthi, and G.Pooranam, (2019),Further results on Odd mean labeling of some splitting graphs, Bulletin of the International Mathematical Virtual Institute,9 ,475-486
32. R.Vasuki and P.Sugirtha, (2019), Mean Labeling of some Splitting Graphs, International Journal of Scientific Research and Review,8(3),1085-1102.
33. G.Pooranam,R.Vasuki and S.Suganthi,(2019), New families of Odd Mean Graphs, International Journal of Mathematical Combinatorics, 1,134-145.

Conference:

1. R.Vasuki,28- 31,January 1998, "Magic strength of a graph", International Conference on Graph connections, Cochin University of Science and Technology, Cochin.
2. R.Vasuki and P.Sugirtha,22-02-2019, "Mean labeling of some splitting graphs" International Conference on Emerging Trends in Mathematical, Physical and Chemical Sciences, Noorul Islam Centre for Higher Education, Kumaracoil.
3. R.Vasuki and L.Velmurugan, 30-31,October 2019, "Mean labeling of graphs obtained from some graph operations" National Conference on Emerging trends in Mathematical and its Applications,Noorul Islam Centre for Higher Education, Kumaracoil.