

Dr. Niranjana P. K

Assistant Professor

Educational Qualification M. Sc., Ph. D

Experience Teaching: 6.5 Years

Area of Interest Graph Theory, Combinatorics

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Projects Guided: Nil

Doctoral Students: Nil

National Journals: Nil

International Journals: 08

Internal Conferences: 04

National Conferences: Nil

Book Chapters: Nil

1. Srinivasa Rao Kola, Balakrishna Gudla and Niranjana P. K., "L(2,1)-coloring and its Related Problems for Mycielskians of Certain Classes of Graphs", Discrete Mathematics, Algorithms and Applications, 2024.
2. Niranjana P. K. and Srinivasa Rao Kola, "The Radio k -chromatic Number for Corona of Graphs", Asian-European Journal of Mathematics, 16(4):1-15, 2023. (SCOPUS, ESCI)
3. Niranjana P. K. and Srinivasa Rao Kola, "On the radio k -chromatic number of paths". Note Di Matematica, 42(1):37-45, 2022.
4. Niranjana P K and Srinivasa Rao Kola, "On the radio number for corona of paths and cycles, *AKCE International Journal of Graphs and Combinatorics*", 17(1), 2020, 269-275. (SCOPUS, SCIE).

5. Srinivasa Rao Kola, Balakrishna Gudla and Niranjana P K, "Some classes of trees with maximum number of holes two", *AKCE International Journal of Graphs and Combinatorics*, 17(1), 2020, 16-24. (SCOPUS, SCIE).
6. Niranjana P K and Srinivasa Rao Kola, "On the radio k -chromatic number of some classes of trees", *International Journal of Applied and Computational Mathematics*, 6(2), 2020, 1-14. (SCOPUS, ESCI).
7. Niranjana P K and Srinivasa Rao Kola, "The k -distance chromatic number of trees and cycles", *AKCE International Journal of Graphs and Combinatorics*, 16(2), 2019: 230-235. (SCOPUS, SCIE).
8. Srinivasa Rao Kola, Balakrishna Gudla and Niranjana P K, "Infinitely many trees with maximum number of holes zero, one, and two", *Journal of Applied Mathematics*. Vol. 2018, 1-14. (SCOPUS).

International Conference: 04

1. Niranjana P. K., "The radio k -chromatic number for the corona of arbitrary graph and K_1 ". In: Rushi Kumar, B., Ponnusamy, S., Giri, D., Thuraisingham, B., Clifton, C.W., Carminati, B.(eds) *Mathematics and Computing*. ICMC 2022. Springer Proceedings in Mathematics & Statistics, 415: 175-184, 2022.
2. Niranjana P. K. and Srinivasa Rao, Kola. (2020). The radio number for some classes of the Cartesian product of complete graphs and cycles. In the Proceedings of 2nd International Conference on Mathematical Modeling and Computational Methods in Sciences and Engineering–2020, IOP Journal of Physics Conference Series, 1850: 1-11.
3. Srinivasa Rao Kola and Niranjana P K, The radio number for a class of Cartesian products of complete graphs and cycles, *In Proceedings of 7th International Engineering Symposium*, Kumamoto University, Japan, 2018.
4. Srinivasa Rao Kola, Balakrishna Gudla and Niranjana P K, Maximum number of holes in square of cycles, *In Proceedings of International Conference on Discrete Mathematics, International Journal of Mathematical Combinatorics*. Special Issue 1, 34-41, 2018.