

# Dr. Srinivasa Rao K

M.Sc., M.Phil., Ph.D. [LMISTE]

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## Biography

Dr. Srinivasa Rao K has 18 years of experience in teaching and 05 Years of experience in research. He received M.Sc. in Mathematics from Bengaluru University, M.Phil from Alagappa University and completed his doctorate in VTU Belagavi. His area of interest includes Graph coloring, Metric dimension and Combinatorics.

To his credit prolifically published around 10+ papers in national / international journals and conferences. He is a Life member of ISTE.

He is also acting as BoE member for various autonomous institutions.

Erstwhile he was associated with R.L Jalappa Institute of Technology Doddaballapur, Shri Pillappa College of Engineering Bengaluru.

## Research Interests

- Graph Coloring
- Rainbow coloring
- Metric dimension
- Combinatorics

## Selected Publications

1. Srinivasa Rao, K., Vijaya Chandra Kumar, U., Anjaneyulu Mekala, **Rainbow connection number of Flower snark graph**, International Journal of Applied Mathematics, 2020, 33(4), pp. 591-597
2. Srinivasa Rao, K., Kavitha, B. N., Nagabhushana, C.S., **Some degree-based connectivity indices of Tadpole graph**, International Journal of Recent Technology and Engineering (IJRTE), 2019, 8(2S6), pp. 497-501
3. Srinivasa Rao, K, Murali, R, Rajendra, S.K., **Rainbow connection number in brick product graphs**, Bulletin of International Mathematical Virtual Institute, 2018, 8(1), pp. 55-66

4. Srinivasa Rao, K, Murali, R, **Rainbow connection number in the brick product graphs  $C(2n,m,r)$** , International Journal of Mathematical Combinatorics, 2017, 2, pp. 80-93
5. Srinivasa Rao, K, Murali, R, **Rainbow connection in modified brick product graphs**, Far East Journal of Mathematical Sciences (FJMS), 2017, 101(2), pp. 289 – 300
6. Srinivasa Rao, K, Murali, R, **Rainbow connection in brick product of odd cycle graphs**, Annals of Pure and Applied Mathematics, 2016, 1(2), pp. 59 - 68
7. Srinivasa Rao, K, Murali, R, **Rainbow connection number with respect to the sunlet graph and its line, middle and total graphs**, International Journal of Mathematics And its Applications, 2015, 3(4-A), pp. 105 - 113
8. Srinivasa Rao, K, Murali, R, Rajendra, S.K., **Rainbow and Strong Rainbow criticalness of some standard graph**, International Journal of Mathematics and Computer Research (IJMCR), 2015, 3(1), pp. 829-836
9. Srinivasa Rao, K, Murali, R, **Rainbow critical graphs**, International Journal of Computer Application (IJCA), 2014, 4(4), pp. 252-259