
Dr. Keerthi G. Mirajkar

Assistant Professor (Stage II),
Department of Mathematics,
Karnatak Arts College,
Dharwad-580 001.

Email:keerthi.mirajkar@gmail.com.



Dr. Keerthi G. Mirajkar completed Master degree in Mathematics, followed by Master of Philosophy (M.Phil in complex analysis), Karnatak University, Dharwad and obtained Doctorial degree (Ph.D in Graph Theory) under the Guidance Dr. B. Basavanagoud from Karnatak University, Dharwad.

Started working as a Lecturer in the Department of Mathematics at S.D.M College of Engineering and Technology, Dharwad (2008). Later joined The Department of Mathematics, Karnatak Arts College, Dharwad as an Assistant Professor (March 2009) and has been working there till date.

Associated as a Life member of professional & Academic bodies like Academy of Discrete Mathematics & Application (ADMA), Indian Science Congress (ISC) and Indian Mathematical Society (IMS).

Specialization being in area of Graph Theory (one of the many branches of Mathematics which is a youthful subject due to its applications in many fields).

Owning the credit of publishing 18 research articles in the journals of National and International repute. In addition to having participated and presented research articles at National and International Conferences/Seminars across the country.

Actively involved in coaching the academic syllabus of Mathematics for PUC, B.A, B.Sc, and B.Com Courses. Currently guiding two research scholar for the Doctorial Program (in Graph Theory).

List of Some of the Research articles published

1. B.Basavanagoud, Sangeeta N.Bhat and Keerthi G.Mirajkar, *On chainos block graph of a graph*, Acta Ciencia indica, Vol.XXXIIM.No.3 1233-1242(2006),
2. B.Basavanagoud and Keerthi G.Mirajkar, *Some more results on total closed neighborhood graphs*, Bull.Pure Appl.MathVol.1,No.1,85-93,(2007).

3. B.Basavanagoud and Keerthi G.Mirajkar, *k-trees and covering invariants of total closed neighborhood graphs*, Acta Ciencia Indica Vol.XXXIIIM,No.383-888 (2007).
4. B.Basavanagoud and Keerthi G.Mirajkar, *k-trees and some graph operators*, Proceedings of the Jangjeon Mathematical Society, 11, N0.1, 53-64 (2008).
5. B.Basavanagoud and Keerthi G.Mirajkar, *Permanent graphs and knot product graphs*, Journal of Intelligent System Research 2(1) January- June, 69-72,2008,.
6. B.Basavanagoud, Sangeeta N. Bhat and Keerthi G. Mirajkar, **On Chainos ctree Graph of a Graph**, South East Asian Journal of Mathematics and Mathematical Sciences,Vol.6,No 3, 9-22, (2008),.
7. B.Basavanagoud ,Keerthi G. Mirajkar and S.H.Malghan,*On lict Graphs with coarseness number one*, Journal of Intelligent System research,3(1),Jan-June 2009 1-5.
8. B.Basavanagoud and Keerthi G. Mirajkar,*On Permanent Graphs*, Journal of Discrete Mathematical Sciences and Cryptography, Vol.12 N0.3, 295-311, (2009).
9. B. Basavanagoud and Keerthi G. Mirajkar, *On Plick Graphs with point-coarseness number one*, Mathematics Student,Vol,78,Nos. 1- 4, 177-185, (2009).
10. Keerthi G.Mirajkar and Iramma M.Kadakol,*On Pathos Lict Subdivsion of a Tree*, Int.J.Math. Combin.Vol.4, 100-107 (2010).
11. B.Basavanagoud and Keerthi G. Mirajkar, *On Plick Graphs with coarseness number one*, Math.in Comput. Sci.Vol. 5, No. 1, 371- 496,(2010),Springer.
12. Keerthi G.Mirajkar and priyanka Y.B, **On Equitable colouring of plick and litct graphs**,Mathematical Sciences International Research Journal Vol.4 Issue 2,116-120 (2015).
13. Keerthi G.Mirajkar and priyanka Y.B,Wiener Index of Some Graph Transformations,Bulletin of Mathematics and Statistics Research,Vol 4, Issue 1(2016), 8-14.