Dr. H. S. Ramane,

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Dr. H. S. Ramane obtained his B. Sc. Degree (1992) from Govindram Seksaria Science College, Belgaum, M. Sc. Degree (1994) from Karnatak University's PG Center, Belgaum (now Rani Channamma University, Belagavi) and Ph. D. degree (2002) from Karnatak University, Dharwad. He has obtained PGDIM from IGNOU, New Delhi in 2015 and cleared NET and GATE Exams.

Dr. H. S. Ramane started his career as Lecturer at Gogte Institute of Technology, Belgaum in the year 1994 and promoted there as Assistant Professor, Associate Professor and Professor. From October 2013 he is a Professor in the Department of Mathematics, Karnatak University, Dharwad. He has also served as Chairman of the Department, Coordinator for UGC SAP DRS-III Programme in the Department and Coordinator for UPE FAR-II Programme. He has 28 years of teaching and research experience.

Dr. H. S. Ramane's research work is mainly in Graph Theory, in particular Spectral Graph Theory, Energy of graphs, Chemical Graph Theory, Distances in Graphs and Topological indices. He has collaborative research work with people from India and abroad. He has visited Indonesia, China and Taiwan for presentation of research paper and to give invited talk in international conferences.

He is a reviewer for American Mathematical Society's "Mathematics Review" (MR). Also he is a referee for many scientific journals. He is on editorial board of "Journal of Algebraic Systems", Iran. He is member of BOS, BOE and BOA at various Universities. He has worked as NAAC peer team member.

He is a life member of academic and professional bodies like Indian Mathematical Society (IMS), Indian Science Congress, Academy of Discrete Mathematics and Applications (ADMA), Ramanujan Mathematical Society (RMS), Indian Society for Technical Education (ISTE) and Kerala Mathematical Association.

No. of Publications: 158	No. of Presentations: 26	No. of invited talks: 53
No. of Conferences attended: 102	No. of Ph.D. Students: Completed: 13 Ongoing: 06	
Research Project: 01	No. of Conferences / Workshops organized: 07	
No. of Book Chapters: 03		
Citations: 1537	h-index: 21	i-10 index: 41

List of publications available at:

https://scholar.google.co.in/citations?user=l7KxezgAAAAJ&hl=en

https://www.researchgate.net/profile/Harishchandra_Ramane2

Recent Publications:

1. H. S. Ramane, K. S. Pise, D. Patil, Note on inverse sum indeg index of graphs, AKCE International Journal of Graphs and Combinatorics, 17(3) (2020), 985 – 987.

2. H. S. Ramane, S. Y. Talwar, I. N. Cangul, Transmission and reciprocal transmission based topological co-indices of graphs, European journal of Pure and Applied Mathematics, 13(5) (2020), 1057 – 1071.

3. H. S. Ramane, K. Ashoka, B. Parvathalu, D. Patil, Adjacency and Seidel polynomials of splice and links of certain graphs, Mathematical Forum, 28 (2020) 68 – 86.

4. S. Kumbinarasaiah, H. S. Ramane, K. S. Pise, G. Hariharan, Numerical solution for nonlinear Klein-Gordon equation via operational matrix by clique polynomial of complete graphs, International Journal of Applied and Computational Mathematics, 7(1) (2021) Article No. 12 (19 pages).

5. H. S. Ramane, K. S. Pise, R. B. Jummannaver, D. D. Patil, Applications of neighbors degree sum of a vertex on Zagreb indices, MATCH Communications in Mathematical and in Computer Chemistry, 85(2) (2021), 329 – 348.

6. H. S. Ramane, B. Parvathalu, Reciprocal complementary distance energy of complement of line graphs of regular graphs, Mathematical Sciences and Applications E-Notes, 9(1) (2021), 36 – 41.

7. H. S. Ramane, K. Ashoka, D. Patil, B. Parvathalu, On the Seidel Laplacian and Seidel signless Laplacian polynomials of graphs, Kyungpook Mathematical Journal, 61 (2021) 155 – 168.

8. H. S. Ramane, D. D. Patil, K. S. Pise, Polynomials associated with closed neighborhood corona and neighborhood complement corona of graphs, Bulletin of International Mathematical Virtual Institute, 11(3) (2021), 491 – 502.

9. H. S. Ramane, D. Patil, K. Ashoka, B. Parvathalu, Equienergetic graphs using Cartesian product and generalized composition, Sarajevo Journal of Mathematics, 17(30) (1) (2021), 7 – 21.

10. H. S. Ramane, S. Y. Talwar, Harmonic reciprocal status index and coindex of graphs, Turkic World Mathematical Society (TWMS) Journal of Applied and Engineering Mathematics, 11(3) (2021), 862 – 871.

11. S. S. Shinde, N. Swamy, S. B. Gudimani, H. S. Ramane, Bounds for degree-sum adjacency eigenvalues of a graph in terms of Zagreb indices, Computer Science Journal of Moldova, 29(2(86)) (2021), 271 – 283.

12. H. S. Ramane, S. Y. Talwar, Status connectivity indices of line graphs, Afrika Matematika, 32(7) (2021), 1615 – 1627.

13. H. S. Ramane, S. S. Shinde, S. Sedghi, Bounds for complementary distance eigenvalue and complementary distance energy of graphs, Karnatak University Journal of Science, 52 (2021), 76 – 80.

14. H. S. Ramane, D. D. Patil, K. S. Pise, Distance spectral polynomial and distance spectral radius of splice and link of graphs, Journal of Advanced Mathematical Studies, 14(3) (2021), 372 – 377.

15. H. S. Ramane, D. D. Patil, Seidel polynomial and energy of join of two graphs, Annals of Mathematics and Computer Science, 4 (2021), 7 – 13.

16. H. S. Ramane, B. Parvathalu, K. Ashoka, Seidel energy of k-fold and strong k-fold graphs, Communications in Combinatorics, Cryptography and Computer Science, 1(2) (2021), 152 – 159.

17. H. S. Ramane, D. D. Patil, K. S. Pise, Certain classes of complementary equienergetic graphs, Transaction on Combinatorics, 11(1) (2022), 45 – 51.

18. H. S. Ramane, V. V. Manjalapur, Reciprocal complementary Wiener index in terms of vertex connectivity, independence number, independence domination number and chromatic number of a graph, Palestine Journal of Mathematics, 11(1) (2022), 104 – 113.

19. M. Baghipur, H. S. Ramane, On generalized adjacency Estrada index of graphs, Discrete Mathematics, Algorithms and Applications, (2022) 2250036 (23 pages)

20. H. S. Ramane, B. Parvathalu, K. Ashoka, Energy of extended bipartite double graphs, MATCH Communication in Mathematical and in Computer Chemistry, 87(3) (2022), 653 – 660.