

Research Profile of Dr. B Parvathalu

Dr. B Parvathalu M.Sc, M.Tech, Ph.D

Assistant Professor in Mathematics
Head UG & PG Department of Mathematics
Room No: 69-C
Commerce Building
Karnatak Arts College
Dharwad - 580001.



E-mail: bparvathalu@gmail.com / bparvathalu@kacd.ac.in

Web: <https://www.kacd.ac.in/Departments/Mathematics> (OR)
https://kscd.ac.in/department_mathematics.php

Research Contributions:

Researcher ID : HJA-8098-2022

Scopus ID: 57208578125

Google Scholar ID : zMPZzOUAAAAJ

ORCID ID: 0000-0002-5151-8446

Vidwan-ID : 415226

Google Scholar Citations

Citations: 79

H-index : 05

i10-index : 02

Research Publications:

- (1) B. Parvathalu and P. Sam Johnson, Construction of Mercedes–Benz Frame in R^n , *International Journal of Applied and Computational Mathematics*, 3 (Suppl 1), 511–519, 2017. <https://doi.org/10.1007/s40819-017-0367-8> [SCOPUS, IF: 1.767, Springer]
- (2) H. S. Ramane, B. Parvathalu, D. Patil and Ashoka K, Graphs Equienergetic with Their Complements, *MATCH Communications in Mathematical and in Computer Chemistry*, 82 (2), 471-480, 2019. <https://match.pmf.kg.ac.rs/content82n2.htm> [SCOPUS, IF: 2.633]
- (3) H. S. Ramane, D. Patil, Ashoka K and B. Parvathalu, Harary spectrum of generalized composition of graphs and Harary equienergetic graphs, *Journal of Algebra and Related Topics*, 7 (2), 31-45, 2019. <https://doi.org/10.22124/jart.2020.14263.1161> [SCOPUS]
- (4) H. S. Ramane, D. Patil, B. Parvathalu and Ashoka K, Construction of distance equienergetic graphs through generalized composition, *Journal of Advanced Mathematical Studies*, 13 (1), 35-41, 2020. <https://www.journal.fairpartners.ro/volume-132020-no-1-28.html> [UGC-CARE]
- (5) H. S. Ramane, Ashoka K, B. Parvathalu, D. Patil and I. Gutman, On complementary equienergetic strongly regular graphs, *Discrete Mathematics Letters*, 4, 50–55, 2020. <https://www.dmllett.com/journal-archive/v4/> [SCOPUS, IF: 1.468]
- (6) H. S. Ramane, Ashoka K, B. Parvathalu and D. Patil, Adjacency and Seidel polynomial of splice and link of certain graphs, *Mathematical Forum*, 28(1), 68-86, 2020. <http://mathematical-forum.org/adjacency-and-seidel-polynomial-of-splice-and-link-of-certain-graphs/> [UGC-CARE]

- (7) H. S. Ramane and B. Parvathalu, Reciprocal Complementary Distance Energy of Complement of Line Graphs of Regular Graphs, *Mathematical Sciences and Applications E-Notes*, 9 (1), 36-41, 2021. <https://doi.org/10.36753/mathenot.641660> [UGC-CARE]
- (8) H. S. Ramane, Ashoka K, D. Patil and B. Parvathalu, On the Seidel Laplacian and Seidel Signless Laplacian Polynomials of Graphs, *Kyungpook Mathematical Journal*, 61, 155-168, 2021. <https://doi.org/10.5666/KMJ.2021.61.1.155> [SCOPUS]
- (9) H. S. Ramane, D. Patil, Ashoka K and B. Parvathalu, Equienergetic Graphs using Cartesian product and generalized composition, *Sarajevo Journal of Mathematics*, 17 (30), 7-21, 2021. <https://dx.doi.org/10.5644/SJM> [UGC-CARE]
- (10) H. S. Ramane, D. Patil, Ashoka K and B. Parvathalu, On Spectral Polynomial of Splices and Links of Graphs, *Boletim da Sociedade Paranaense de Matematica (Bulletin of Parana's Mathematical Society)*, 41, 1-8, 2021. www.spm.uem.br/bspm OR <https://doi.org/10.5269/bspm.51691> [SCOPUS]
- (11) H. S. Ramane, B. Parvathalu and Ashoka K, Seidel Energy of k-fold and Strong k-fold Graphs, *Communications in Combinatorics, Cryptography & Computer Science (CCCS)*, 1, 152–159, 2021. <http://cccs.sgh.ac.ir/ShowArticle?ArticleID=20>
- (12) H. S. Ramane, Ashoka K, B. Parvathalu and D. Patil, On A-energy and S-energy of certain class of graphs, *Acta Universitatis Sapientiae Informatica*, 13(2), 195–219, 2021. <https://doi.org/10.2478/ausi-2021-0009> [Web of Science]
- (13) H. S. Ramane, B. Parvathalu and Ashoka K, Energy of Extended Bipartite Double Graphs, *MATCH Communications in Mathematical and in Computer Chemistry*, 87 (3), 653-660, 2022. <https://doi.org/10.46793/match.87-3.653R> [SCOPUS, IF: 2.633]
- (14) H. S. Ramane, B. Parvathalu and Ashoka K, Energy of strong double graphs, *The Journal of Analysis*, 30, 1033-1043, 2022. <https://doi.org/10.1007/s41478-022-00391-4> [SCOPUS, Springer]
- (15) H. S. Ramane, D. Patil, B. Parvathalu and Ashoka K, Signless Laplacian polynomial for splice and link of graphs, *Turkic World Mathematical Society Journal of Applied and Engineering Mathematics*, Accepted, 2022. <http://jaem.isikun.edu.tr/> [SCOPUS]
- (16) H. S. Ramane, B. Parvathalu, Ashoka K and S. Pirzada, On families of graphs which are both adjacency equienergetic and distance equienergetic, *Indian Journal of Pure and Applied Mathematics*, 2022. <https://doi.org/doi.org/10.1007/s13226-022-00355-1>. [SCOPUS, Springer]
- (17) H. S. Ramane, B. Parvathalu and Ashoka K, Energy of complements of certain double graphs, *South East Asian Journal of Mathematics and Mathematical Sciences*, 21, 217-232, 2022. <http://rsmams.org/journals/seajmams/home> [SCOPUS]
- (18) H. S. Ramane, B. Parvathalu and Ashoka K, An upper bound for difference of energies of a graph and its complement, *Examples and Counterexamples*, 3, 100100, 2023. <https://doi.org/10.1016/j.exco.2023.100100> [SCOPUS, Elsevier]
- (19) H. S. Ramane, D. Patil, B. Parvathalu and Ashoka K, Various polynomials associated to graphs involving splice and link structures, *Annals of Mathematics and Computer Science*, 15, 56-69, 2023. <https://annalsmcs.org/index.php/amcs/article/view/174>
- (20) H. S. Ramane, Ashoka K, B. Parvathalu and D. Patil, Some relations between energy and Seidel energy of a graph, *Acta Universitatis Sapientiae Informatica*, 15, 46–59, 2023. <https://doi.org/10.2478/ausi-2023-0005> [Web of Science]

Awards and Distinctions:

- Received Prof. Balakrishnan Endowment Best Paper Award for Presentation in the 37th Annual Conference of Ramanujan Mathematical Society-2022.

Membership of Professional Bodies:

- Life Member, Ramanujan Mathematical Society (RMS).
- Life Member, International Association of Engineers (IAENG).
- Life Member, Indian Science Congress Association (ISCA).

Assignments/Responsibilities:

- Reviewer for Reputed publishers like Elsevier, Springer etc.
- Organised as a Organising Secretary an International Conference on “Present Scenario of Mathematical Sciences (1CPSMS-2020 Virtual)” from 12-09-2020 to 13-09-2020 at Karnatak Arts College, Dharwad.

Date: September 29, 2024