

Academic Year 2019-2020

S.No.	Title	Authors	Journal	Month-Year	Link
1	Induced H-packing k-partition number for certain nanotubes and chemical graphs.	Antony Xavier, Santiago Theresal, and S. Maria Jesu	Journal of Mathematical Chemistry	Apr-20	https://doi.org/10.1007/s10910-020-01124-3
2	k-Partitioned Fuzzy Graph	Pathinathan. T. Kirupa. A	South East Asia Journal of Mathematics and Mathematical Sciences	Apr-20	http://rsmams.org/download/articles/2_16_1_123373115_Paper%2020%20k-PARTITIONED%20FUZZY%20GRAPH.pdf
3	Proximity points for cyclic 2-convex contraction mappings	M. S. Khan, M. Menaka, Geno Kadwin Jacob and M. Marudai	Nonlinear Functional Analysis and Applications	Mar-20	http://nfaa.kyungnam.ac.kr/journal-nfaa/index.php/NFAA/article/view/1252
4	Strong K-Geodetic Problem In Graphs:Computational Complexity And Some Results	D. Antony Xavier, Bino Infanta L. G. and Santiago Theresal	Advances and Applications in Discrete Mathematics.	Mar-20	http://www.pphmj.com/abstract/13102.htm
5	Strong shortest path union cover for some networks and Sierpinski graphs	Santiago Theresal, D. Antony Xavier, Deepa Mathew	Malaya Journal of Matematik	Feb-20	http://malayajournal.org/articles/MJM0S200020.pdf
6	Strong Shortest Path Union Cover for Certain Graphs	Antony Xavier, Santiago Theresal, Deepa Mathew	ADALYA JOURNAL	Feb-20	https://drive.google.com/file/d/1t3t8o5PqZV2cCpv5W2S5gvk9HNN12eXm/view
7	k-Geodetic propagation in graphs	Deepa Mathew, D. Antony Xavier, Santiago Theresal	Malaya Journal of Matematik	Feb-20	https://www.malayajournal.org/articles/MJM0S200002.pdf
8	Bloom torus: A potential fixed interconnection	S. Kulandai Therese, D. Antony Xavier, Andrew Arokiaraj	Malaya Journal of Matematik	Feb-20	http://malayajournal.org/articles/MJM0S200012.pdf

9	Geodetic landmark number of graphs	Deepa Mathew, D. Antony Xavier, Santiago Theresal, S. Arul Amirtha Raja	Malaya Journal of Matematik	Feb-20	http://malayajournal.org/articles/MJM0S200015.pdf
10	Characteristics of Weighted Fuzzy Sets	Pathinathan. T, Mahimairaj. P	Adalya Journal	Feb-20	https://drive.google.com/file/d/1yNAvkMMY0wJKz0AEFujPw4qO30ens_33/view
11	Weighted Mostar indices as measures of molecular peripheral shapes with applications to graphene, graphyne and graphdiyne nanoribbons	M. Arockiaraj, J. Clement, N. Tratnik, S. Mushtaq, K. Balasubramanian	SAR and QSAR in Environmental Research	Jan-20	https://www.tandfonline.com/doi/abs/10.1080/1062936X.2019.1708459?journalCode=gsar20
12	A Mathematical analysis of slider bearings with power law fluids	T. Bharathi, V. Sudha, Sampathraj , and Sundarammal Kesavan	ADALYA JOURNAL	Jan-20	http://adalyajournal.com/gallery/125-jan-2648.pdf
13	Weighted Fuzzy Sets	Pathinathan. T, Mahimairaj. P	International Journal of Recent Technology and Engineering	Jan-20	https://www.ijrte.org/wp-content/uploads/papers/v8i5/E5718018520.pdf
14	Topological characterization of the full k-subdivision of a family of partial cubes and their applications to α -types of novel graphyne and graphdiyne materials	M. Arockiaraj, S. Klavžar, S. Mushtaq, K. Balasubramanian	Polycyclic Aromatic Compounds	Dec-19	https://www.tandfonline.com/doi/abs/10.1080/10406638.2019.1703766?af=R&journalCode=gpol20
15	Strong geodetic problem in networks	Paul Manuel , Sandi Klavzar , Antony Xavier, Andrew Arokiaraj and Elizabeth Thomas	Discussiones Mathematicae Graph Theory	Dec-19	https://www.dmgt.uz.zgora.pl/publish/view_pdf.php?ID=15953
16	Balanced k-Partitioned Fuzzy Graph	Kirupa. A, Jesintha Roseline. J, Pathinathan.T	International Journal of Innovative Technology and Exploring Engineering	Dec-19	https://www.ijitee.org/wp-content/uploads/papers/v9i2/B6152129219.pdf

17	Radio Reciprocal Membership Function on Cycle Related Graphs	T. Bharathi, S. Antony Vinoth	International Journal of Recent Technology and Engineering	Nov-19	https://www.ijrte.org/wp-content/uploads/papers/v8i4/B3583078219.pdf
18	Ranking and Similarity Measures of Interval-Valued Pentagonal Fuzzy Numbers	Ajay Minj, T. Pathinathan	International Journal of Recent Technology and Engineering	Nov-19	https://www.ijrte.org/wp-content/uploads/papers/v8i4/D9498118419.pdf
19	Strong Geodetic Domination of Graphs	Antony Xavier, Deepa Mathew, Santiagu Thersal	International Journal of Innovative Technology and Exploring Engineering.	Oct-19	https://www.ijtee.org/wp-content/uploads/papers/v8i12/L25031081219.pdf
20	On the Strong Monophonic Number of a Graph	Antony Xavier, Elizabeth Thomas, Deepa Mathew, Santiago Thersal	International Journal of Engineering and Advanced Technology	Oct-19	https://www.ijeat.org/wp-content/uploads/papers/v9i1/A1231109119.pdf
21	Mostar indices of carbon nanostructures and circumscribed donut benzenoid systems	M. Arockiaraj, J. Clement, N. Tratnik	International Journal of Quantum Chemistry	Sep-19	https://onlinelibrary.wiley.com/doi/abs/10.1002/qua.26043
22	Edge distance-based topological indices of strength-weighted graphs and their application to coronoid systems, carbon nanocones and SiO ₂ nanostructures	M. Arockiaraj, S. Klavžar, J. Clement, S. Mushtaq, K. Balasubramanian	Molecular Informatics	Sep-19	https://onlinelibrary.wiley.com/doi/abs/10.1002/minf.201900039
23	Pythagorean Fuzzy Labeling Graph	T. Bharathi, P. Ashwini Sibiya Rani	International Journal of Recent Technology and Engineering	Sep-19	https://www.ijrte.org/wp-content/uploads/papers/v8i3/B3818078219.pdf
24	Induced H-Packing k-Partition Problem in Certain Network	Santiagu Thersal, Antony Xavier, S. Maria Jesu Raja	International Journal of Recent Technology and Engineering	Sep-19	https://www.ijrte.org/wp-content/uploads/papers/v8i3/C4062098319.pdf

25	Hydrodynamic Effects of Secant Slider Bearings Lubricated with Second-Order Fluids	T. Bharathi, Sampathraj, V. Sudha and Sundarammal Kesavan	South East Asian Journal of Mathematics and Mathematical Sciences	Aug-19	http://rsmams.org/journals/articleinfo.php?articleid=351&tag=seajmams
26	Tight bounds on 1-harmonious coloring of certain graphs	J.B. Liu, M. Arockiaraj, A. Nelson	Symmetry	Jul-19	https://www.mdpi.com/2073-8994/11/7/917
27	RETReAT: Fuzzy Multi-Criteria Decision Making based on Pros and Cones	Ajay Minj, T. Pathinathan	International Journal of Recent Technology and Engineering	Jul-19	https://www.ijrte.org/wp-content/uploads/papers/v8i2/B3802078219.pdf
28	Topological indices of the subdivision of a family of partial cubes and computation of SiO ₂ related structures	M. Arockiaraj, S. Klavžar, S. Mushtaq, K. Balasubramanian	Journal of Mathematical Chemistry	Jun-19	https://link.springer.com/article/10.1007/s10910-019-01043-y
29	Fuzzy Labeling on Cycle Related Graph	M.K.Pandurangan, T.Bharathi, S. Antony Vinoth	International Journal of Computer Sciences and Engineering	Jun-19	https://www.ijcseonline.org/pdf_paper_view.php?paper_id=4706&207-IJCSE-07480-29.pdf
30	Fuzzy labeling on wheel graph	M.K.Pandurangan, T.Bharathi, S. Antony Vinoth	Journal of Emerging Technologies and Innovative Research	Jun-19	http://www.jetir.org/view?paper=JETIR1906N12