

Academic Year 2018-2019

S.No.	Title	Authors	Journal	Month-Year	Link
1	Mnimum layout of hypercubes and folded hypercubes into the prism over caterpillars	J. Abraham, M. Arockiaraj	International Journal of Computer Aided Engineering and Technology	Jul-18	<a href="https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=IJCAET">https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=IJCAET</a>
2	A linear time algorithm for embedding locally twisted cube into grid network to optimize the layout	A.J. Shalini, J. Abraham, M. Arockiaraj	Discrete Applied Mathematics	Aug-18	<a href="https://www.sciencedirect.com/science/article/pii/S0166218X18304013">https://www.sciencedirect.com/science/article/pii/S0166218X18304013</a>
3	Large open filter bases for fixed points	C. Ganesa Moorthy and S. Iruthaya Raj	Engineering Mathematics letters	Aug-18	<a href="http://scik.org/index.php/eml">http://scik.org/index.php/eml</a>
4	Matrix Representation of Double Layered Non-Cyclic Fuzzy Graph	Pathinathan .T and Peter .M	International Journal of Pure and Applied Mathematics	Sep-18	<a href="https://ijpam.eu/">https://ijpam.eu/</a>
5	Upper edge triangle free detour number of an edge triangle free detour graphs	A. Christopher, S. Sethu Ramalingam, S. Athisayanathan	International Journal of Computer Sciences and Engineering	Sep-18	<a href="https://www.ijcseonline.org/archive_issue.php?pageNum_RS_U=0&amp;totalRows_RS_U=157&amp;pub_id=63">https://www.ijcseonline.org/archive_issue.php?pageNum_RS_U=0&amp;totalRows_RS_U=157&amp;pub_id=63</a>
6	Topological Characterization of Coronoid Polycyclic Aromatic Hydrocarbons	M. Arockiaraj, S.R.J. Kavitha, K. Balasubramanian, I. Rajasingh, J. Clement,	Polycyclic Aromatic Compounds	Oct-18	<a href="https://www.tandfonline.com/doi/abs/10.1080/10406638.2018.1484778?journalCode=gpol20">https://www.tandfonline.com/doi/abs/10.1080/10406638.2018.1484778?journalCode=gpol20</a>
7	Fixed points of sequences of mappings	C. Ganesa Moorthy and S. Iruthaya Raj	Results in Fixed Point Theory and Applications	Oct-18	<a href="https://www.researchintheixedpointtheory.com/">https://www.researchintheixedpointtheory.com/</a>
8	Fixed points for mappings on product spaces	C. Ganesa Moorthy and S. Iruthaya Raj	Mathematical Advances in Pure and Applied Sciences	Oct-18	<a href="https://dergipark.org.tr/mapas">https://dergipark.org.tr/mapas</a>
9	Topological Characterization of Coronoid Polycyclic Hydrocarbons	M. Arockiaraj, S.R.J. Kavitha, K. Balasubramanian, I. Rajasingh	Polycyclic Aromatic Compounds	Oct-18	<a href="https://www.researchgate.net/journal/1040-6638_Polycyclic_Aromatic_Compounds">https://www.researchgate.net/journal/1040-6638_Polycyclic_Aromatic_Compounds</a>
10	Totally Symmetric Type-2 Triangular Fuzzy Numbers	Ajay Minj., and Pathinathan. T	Journal of Computer and Mathematical Sciences	Nov-18	<a href="https://www.researchgate.net/publication/329153580_Totally_Symmetric_Type-2_Triangular_Fuzzy_Numbers">https://www.researchgate.net/publication/329153580_Totally_Symmetric_Type-2_Triangular_Fuzzy_Numbers</a>
11	Fuzzy Fourier Series using Trapezoidal, Reverse order Trapezoidal and Intuitionistic Trapezoidal Fuzzy Number	Pathinathan. T., and Anita Dolorosa. E	Journal of Computer and Mathematical Sciences	Nov-18	<a href="https://www.researchgate.net/publication/330653936_Fuzzy_Fourier_Series_Using_Trapezoidal_Reverse_Order_Trapezoidal_and_Intuitionistic_Trapezoidal_Fuzzy_Number">https://www.researchgate.net/publication/330653936_Fuzzy_Fourier_Series_Using_Trapezoidal_Reverse_Order_Trapezoidal_and_Intuitionistic_Trapezoidal_Fuzzy_Number</a>
12	On Operational Properties of Rotational Fuzzy Set Model	Mike Dison, E. and Pathinathan. T	Journal of Computer and Mathematical Sciences	Nov-18	<a href="https://www.researchgate.net/publication/332923269_On_Operational_Properties_of_Rotational_Fuzzy_Set_Model">https://www.researchgate.net/publication/332923269_On_Operational_Properties_of_Rotational_Fuzzy_Set_Model</a>

13	Resistance Distance in H-Join of Graphs $G_1, G_2, \dots, G_k$	L. Zhang, J. Zhao, J.B. Liu, M. Arockiaraj	Mathematics	Nov-18	<a href="https://www.mdpi.com/2227-7390/6/12/283">https://www.mdpi.com/2227-7390/6/12/283</a>
14	Quadrilateral Fuzzy Number	Pathinathan, T., and Santhoshkumar, S	International Journal of Engineering and Technology	Dec-18	<a href="https://www.researchgate.net/publication/330824354_Quadrilateral_Fuzzy_Number">https://www.researchgate.net/publication/330824354_Quadrilateral_Fuzzy_Number</a>
15	Topological Properties of Carbon Nanocones	M. Arockiaraj, J. Clement, K. Balasubramanian	Polycyclic Aromatic Compounds	Dec-18	<a href="https://www.tandfonline.com/doi/abs/10.1080/10406638.2018.1544156?journalCode=gpol20">https://www.tandfonline.com/doi/abs/10.1080/10406638.2018.1544156?journalCode=gpol20</a>
16	Distance-based topological indices of nanosheets, nanotubes and nanotori of $\text{SiO}_2$	M. Arockiaraj, S. Klavžar, S. Mushtaq, K. Balasubramanian	Journal of Mathematical Chemistry	Jan-19	<a href="https://link.springer.com/article/10.1007%2Fs10910-018-0956-8">https://link.springer.com/article/10.1007%2Fs10910-018-0956-8</a>
17	Induces P3 packing k-partition number for certain graphs	D.Antony Xavier, Santiagu theresal	International Journal of Computer Sciences and Engineering	Mar-19	<a href="https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=812&amp;19-ICCS18MT160.pdf">https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=812&amp;19-ICCS18MT160.pdf</a>
18	circular geodetic number of certain graphs	D.Antony Xavier,S. Arul amirtha raja	International Journal of Computer Sciences and Engineering	Mar-19	<a href="https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=830&amp;37-ICCS18MT167.pdf">https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=830&amp;37-ICCS18MT167.pdf</a>
19	Geodetic variants of Sierpinski Triangles	D.Antony Xavier, Deepa Mathew	International Journal of Computer Sciences and Engineering	Mar-19	<a href="https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=813&amp;20-ICCS18MT163.pdf">https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=813&amp;20-ICCS18MT163.pdf</a>
20	On the doubly edge geodetic number of a graph	D.Antony Xavier, Elizabeth Thomas	International Journal of Computer Sciences and Engineering	Mar-19	<a href="https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=834&amp;41-ICCS18MT267.pdf">https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=834&amp;41-ICCS18MT267.pdf</a>
21	On the strong edge Monophonic number of Graphs	D.Antony Xavier, L.G.Bino Infanta	International Journal of Computer Sciences and Engineering	Mar-19	<a href="https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=798&amp;5-ICCS18MT166.pdf">https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=798&amp;5-ICCS18MT166.pdf</a>
22	Vertex decomposition method for wirelength problem and its applications to enhanced hypercube networks	M. Arockiaraj, J.B. Liu, A.J. Shalini	IET Computers & Digital Techniques	Mar-19	<a href="https://ieeexplore.ieee.org/document/8664729">https://ieeexplore.ieee.org/document/8664729</a>
23	Wirelength of enhanced hypercube into windmill and necklace graphs	J.B. Liu, M. Arockiaraj, J.N. Delaila	Mathematics	Apr-19	<a href="https://www.mdpi.com/2227-7390/7/5/383">https://www.mdpi.com/2227-7390/7/5/383</a>