



**Kalaingar Karunanidhi Government Arts College for Women (Autonomous)**

**(Nationally Re-accredited with B<sup>++</sup> Grade by NAAC 3<sup>rd</sup> Cycle)**

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Department of Mathematics

**Papers Published in UGC CARE Journals during the last five years**

Title of Paper	Name of the author/s	Name of Journal	Link to the recognition in UGC enlistment of the	
			Link to website of the Journal	Link to article/paper /abstract of the article
<b>2022-2023</b>				
A Cost Analysis on Multi -Item Inventory Model for Factory Outlets with Constraint under Ranking Asteroid Fuzzy Set	N.Maheswari	Indian Journal of Natural Sciences	<a href="http://www.tnsroindia.org.in">www.tnsroindia.org.in</a>	<a href="http://www.tnsroindia.org.in/journal/issue73/Issue%2073%20-%20FULL%20TEXT%20PART%2002.pdf">www.tnsroindia.org.in/journal/issue73/Issue%2073%20-%20FULL%20TEXT%20PART%2002.pdf</a>
A Cost Analysis on Multi -Item Inventory Model for Factory Outlets with investment constraint under ranking Asteroid Fuzzy set	N.Maheswari	International journal of students Research in Technology and Management	<a href="https://mgesjournals.com">https://mgesjournals.com</a>	<a href="https://mgesjournals.com/ijstrm/article/download/ijstrm.2022.1033/3742">https://mgesjournals.com/ijstrm/article/download/ijstrm.2022.1033/3742</a>
Neighborhood Connected Domination and Eccentric Domination of Boolean Graph BG3(G) of a Graph G	R.M.Mariselvi	Advances and Applications in Mathematical Sciences	<a href="https://www.mililink.com">https://www.mililink.com</a>	<a href="https://www.mililink.com/upload/article/434172423aams">https://www.mililink.com/upload/article/434172423aams</a>
Domination Parameters in Total Graph T(G) of a Graph G	R.M.Mariselvi	Advances and Applications in Mathematical Sciences	<a href="https://www.mililink.com">https://www.mililink.com</a>	<a href="https://www.mililink.com/upload/article/477638462aams">https://www.mililink.com/upload/article/477638462aams</a>
$(\lambda, \mu)$ - Multi Fuzzy Subgroups of a Group	R.Revathy	Indian Journal of Natural Sciences	<a href="http://www.tnsroindia.org.in">www.tnsroindia.org.in</a>	<a href="https://mgesjournals.com/ijstrm/article/download/ijstrm.2022.1033/3746">https://mgesjournals.com/ijstrm/article/download/ijstrm.2022.1033/3746</a>

Characterization of $(\lambda, \mu)$ - Multi Fuzzy Quotient Group of A Group	R.Revathy	Indian Journal of Natural Sciences	<a href="http://www.tnsroindia.org.in">www.tnsroindia.org.in</a>	<a href="https://mgesjournals.com/ijstrtm/article/download/ijstrtm.2022.1033/3748">https://mgesjournals.com/ijstrtm/article/download/ijstrtm.2022.1033/3748</a>
$(\lambda, \mu)$ - Multi Fuzzy Subgroups of a Group	R.Revathy	International Journal of student's Research in Technology & Management	<a href="https://mgesjournals.com">https://mgesjournals.com</a>	<a href="https://doi.org/10.18510/ijstrtm.2022.1035">https://doi.org/10.18510/ijstrtm.2022.1035</a>
Eccentricity Based On Topological Indices Of Boron Nanotubes	R.Rohini	International Journal of Scientific Engineering and Applied Science	<a href="http://www.ijseas.com">www.ijseas.com</a>	<a href="https://ijseas.com/volume7/v7i5/IJSEAS202105114.Pdf">https://ijseas.com/volume7/v7i5/IJSEAS202105114.Pdf</a>
The Eccentricity Version Of Some Square Reduced Indices Of Nanostar Dendrimer D[N].	R.Rohini	International Journal of Scientific Engineering and Applied Science	<a href="http://www.ijseas.com">www.ijseas.com</a>	<a href="https://ijseas.com/volume7/v7i5/IJSEAS202105108.Pdf">https://ijseas.com/volume7/v7i5/IJSEAS202105108.Pdf</a>
Some Theorems on Intuitionistic Multi Fuzzy Subgroups	R.Revathy	International Journal of Scientific and Research Publications	<a href="http://dx.doi.org">http://dx.doi.org</a>	<a href="https://www.ijsrp.org/research-paper-0120/ijsrp-p9798.pdf">https://www.ijsrp.org/research-paper-0120/ijsrp-p9798.pdf</a>
Connected Edge, split edge and domatic edge domination numbers in Boolean Function graph $B(\cdot, NINC)$ of a graph	S. Dhanalakshmi	Compliance Engineering Journal	<a href="http://www.ijceng.com#">www.ijceng.com#</a>	<a href="https://ijceng.com/index.php/volume-11-issue-2-2020">https://ijceng.com/index.php/volume-11-issue-2-2020</a>
Edge and connected Edge Domination number of complement of $B(K_p, L(G), NINC)$ of a graph	S. Dhanalakshmi	A Journal of composition theory	<a href="https://jctjournal.com">https://jctjournal.com</a>	<a href="https://jctjournal.com/volume-xiii-issue-3-2020">https://jctjournal.com/volume-xiii-issue-3-2020</a>
k-Eccentric indices of polyhex nanotubes $TUAC_6(p,q)$ and $TUZC_6(p,q)$	R.M.Mariselvi	Journal of Emerging Technologies and innovative Research	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/papers/JETIR2003096">https://www.jetir.org/papers/JETIR2003096</a>
Eccentric indices of polyhex nanotubes $TUAC_6(p,q)$ and $TUZC_6(p,q)$	R.M.Mariselvi	Compliance Engineering Journal	<a href="http://www.ijceng.com#">www.ijceng.com#</a>	<a href="https://enrichedpub.in/journalpage.php/id=513">https://enrichedpub.in/journalpage.php/id=513</a>
Total Eccentricity indices of polyhex nanotubes $TUAC_6(p,q)$ and $TUZC_6(p,q)$	R.M.Mariselvi	International Journal of analytical and experimental model analysis	<a href="https://www.mukpublications.com">https://www.mukpublications.com</a>	<a href="https://ijceng.com/index.php/volume-11-issue3-2020">https://ijceng.com/index.php/volume-11-issue3-2020</a>

$P_4$ decomposition in Boolean function graph $B(K_p, L(G), NINC)$ of a graph	S. Dhanalakshmi	JETIR	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/papers/JETIR006006.Pdf">https://www.jetir.org/papers/JETIR006006.Pdf</a>
Edge domination in Boolean Function graph $B((k_p), \bar{L(G)}, NINC)$ of a graph	S. Dhanalakshmi	A Journal of Discrete Mathematical Science and cryptography	<a href="https://www.tandfonline.com">https://www.tandfonline.com</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/09720529.2019.1685237">https://www.tandfonline.com/doi/abs/10.1080/09720529.2019.1685237</a>
Domatic Edge Domination in Boolean Function Graph $B(G, L(G), NINC)$ of a Graph	S. Dhanalakshmi	JETIR	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/papers/JETIR1803193.pdf">https://www.jetir.org/papers/JETIR1803193.pdf</a>
Split edge domination in Boolean function graph $B(G, L(G), NINC)$ of a graph	S. Dhanalakshmi	International Journal of Engineering science, Advanced Computing and Bio-Technology	<a href="https://ijesacbt.com">https://ijesacbt.com</a>	<a href="https://www.researchgate.net/publication/327310783">https://www.researchgate.net/publication/327310783</a>
$P_4$ decomposition in Boolean function graph $B(G, L(G), NINC)$ of a graph	S. Dhanalakshmi	International journal for Research in Engineering Application and Management (IJREAM)	<a href="https://www.ijream.org">https://www.ijream.org</a>	<a href="http://ijream.org/papers/IJREAMV0510250201.Pdf">http://ijream.org/papers/IJREAMV0510250201.Pdf</a>