

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_102674
Title of the Manuscript:	On the 2-Rainbow Domination Number Over the γ -set of some Classes of Graphs
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalarjom.com/index.php/ARJOM/editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>This paper determines the 2-rainbow domination number of some special classes of graphs, specifically, path, cycle, fan, and wheel graphs. Concept is good. Conclusion part needs more explanation.</p> <p>yes</p> <p>yes</p> <p>yes. But Conclusion states," In this article, we established some results of spanning tree packing number of lexicographic product of two paths." This statement needs more clarity.</p> <p>(1) In the paper, References [2],[3],[4],[5] are not quoted. Kindly mention it. (2) Kindly add this reference for Definition 2.2, "G. Xu, 2-rainbow domination in generalized Petersen graphs $P(n, 3)$, Discrete Appl. Math. 157 (2009), 2570-2573".</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Conclusion must be rewritten in detail.</p>	
<p>Optional/General comments</p>	<p>In Theorem 3.1, (Case (1), (2), (3)) in $\ f \$, put equal sign" =". There is "+" sign. Kindly Change it.</p>	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Review Form 1.7

Reviewer Details:

Name:	M. Raji
Department, University & Country	Vels Institute of Science, Technology and Advanced Studies, India