

## Review Form 1.7

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_102674
Title of the Manuscript:	On the 2-Rainbow Domination Number Over the $\gamma$ -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:

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**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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>YES</p> <p>YES</p> <p>YES</p> <p><b>NO (Conclusion and reference sections need improvement)</b></p> <p>Yes</p> <p>No</p> <p><b>Add the following references:</b></p> <p>1. FuruyaM. <i>et al.</i> Upper bound on 3-rainbow domination in graphs with minimum degree 2 Discrete Optim.(2018)</p> <p>2. ShaoZ. <i>et al.</i> On 2-rainbow domination of generalized Petersen graphs Discrete Appl. Math.(2019)</p> <p>3. ShaoZ. <i>et al.</i> On rainbow domination numbers of graphs Inform. Sci. (2014)</p> <p>4. <a href="https://doi.org/10.1016/j.dam.2020.04.003">https://doi.org/10.1016/j.dam.2020.04.003</a></p> <p>5. A. Abdollahzadeh, J. Amjadi, N.J. Rad, V. Samodivkin, Total <math>k</math>-rainbow domination numbers in graphs, Commun. Comb. Optim. 3 (2018) 37–50.</p> <p>6. J. Amjadi, A. Bahremandpour, S.M. Sheikholeslami, L. Volkmann, The rainbow domination number of a digraph, Kragujevac J. Math. 37 (2013) 257–268.</p> <p>7. B. Brešar, M.A Henning, D.F. Rall, Rainbow domination in graphs. Taiwanese J. Math. 12 (2008) 213–225.</p> <p>In the present paper, author/authors discuss the 2-rainbow domination number of some special classes of graphs, specifically, path, cycle, fan, and wheel graphs. This paper is mathematically correct but conclusion section needs major revision. In this section, author should conclude the results of study and give the importance and utility of this study.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	yes	
<p><b>Optional/General</b> comments</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><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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**Reviewer Details:**

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