

## Review Form 1.7

Journal Name:	<b>Physical Science International Journal</b>
Manuscript Number:	<b>Ms_PSIJ_98181</b>
Title of the Manuscript:	<b>Aeroelastic flutter of Functionally Graded Beams reinforced with Hydrogen-Functionalized Graphene Nanoplatelets</b>
Type of the 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.journalpsij.com/index.php/PSIJ/editorial-policy> )

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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>2.YES 3.YES 4.YES 5.YES 6.NO</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p>The subject is scientifically valuable and the way the article is handled is good. The formulation given is correct and the graphical analysis results presented are sufficient. I recommend that the article be published after the following issues are corrected with minor revision.</p> <ul style="list-style-type: none"> <li>• Conclusion section can be increased a few more paragraphs, but this is not a requirement.</li> <li>• It is recommended to increase the literature summary a little bit.</li> <li>• The current FGM studies given below are recommended to be used to expand the literature.</li> <li>• Recommended studies:</li> </ul> <p>Finite element formulation and analysis of a functionally graded timoshenko beam subjected to an accelerating mass including inertial effects of the mass, Latin American Journal of Solids and Structures. 15 (2018) 1–18. doi:10.1590/1679-78255102.</p> <p>Dynamic response of a functionally graded Timoshenko beam on two-parameter elastic foundations due to a variable velocity moving mass, International Journal of Mechanical Sciences. 153–154 (2019) 21–35. doi:10.1016/j.ijmecsci.2019.01.033.</p> <p>Dynamic response of functional graded Timoshenko beams in a thermal environment subjected to an accelerating load, European Journal of Mechanics, A/Solids. 78 (2019) 103841. doi:10.1016/j.euromechsol.2019.103841.</p> <p>Vibration response of symmetric and sigmoid functionally graded beam rested on elastic foundation under moving point mass, Mechanics Based Design of Structures and Machines. 0 (2021) 1–25. doi:10.1080/15397734.2021.1904255.</p> <p>Free vibration and buckling stability of FG nanobeams exposed to magnetic and thermal fields,</p>	

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	Engineering with Computers. (2021). doi:10.1007/s00366-021-01389-5.  Dynamic response of nonlocal strain gradient FG nanobeam reinforced by carbon nanotubes, The European Physical Journal Plus. 123 (2021). doi:10.1140/epjp/s13360-021-01419-7.  Dynamic behaviour of functionally graded Timoshenko beams on a four parameter linear elastic foundation due to a high speed travelling mass with variable velocities, Journal of Smart Systems Research. 2 (2021) 48–75. <a href="https://journals.subu.edu.tr/index.php/joinssr/article/view/114">https://journals.subu.edu.tr/index.php/joinssr/article/view/114</a> .	
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Ismail Esen</b>
Department, University & Country	<b>Karabuk University, Turkey</b>