

## Review Form 1.6

Journal Name:	<b>Physical Science International Journal</b>
Manuscript Number:	<b>Ms_PSIJ_94796</b>
Title of the Manuscript:	<b>Out-of-plane equilibrium points in the ER3BP with triaxial-radiating primaries with a P-R drag force surrounded by a belt</b>
Type of the Article	<b>Journal Article</b>

### **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)
<b>Compulsory</b> REVISION comments	<ol style="list-style-type: none"> <li>The introduction section is too long and not included the current researches. Make this section short and only discuss the elliptic restricted-three body problem (cite some notable researches) followed by out-of-plane equilibrium points (cite some notable and current researches), PR-drag force (cite some notable and current researches).</li> <li>Give the configuration of your model.</li> <li>Give a concise solution of out-of-plane equilibrium points in Section 3.</li> <li>Eqn. (13) is not clear.</li> <li>The authors have extended the work of Singh and Umar (2013) <a href="https://doi.org/10.1007/s10509-012-1292-2">https://doi.org/10.1007/s10509-012-1292-2</a>. Compare your results with them.</li> <li>In characteristic equations, authors have used the symbol <math>V</math> which is already used in Eqn. (5) as a potential of belt. Use another symbol.</li> <li>Section 4 is incomplete. Discuss the nature of equilibrium points according to eigenvalues of the characteristic Eqn. (19).</li> </ol>	
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"> <li>Check the spelling of the following:               <ul style="list-style-type: none"> <li><b>Poynting</b> in Abstract.</li> <li><b>Reknown, infinitesimal, center, Lagrangian</b> on Page 2.</li> <li><b>Radzievskii, characterizations</b> on Page 3.</li> <li>Page 4, second last line: What do you mean by <b>only recently</b>?</li> <li><b>Coriolis, therefore, perturbing, collinear</b> on Page 5.</li> <li><b>PR-drag</b> on Page 6.</li> <li><b>Orbits and infinitesimal</b> on Page 9.</li> <li><b>Mathematica</b> on Page 14.</li> <li><b>Radiation, parameters</b> on Page 22.</li> </ul> </li> <li>Kindly explain the following:               <ul style="list-style-type: none"> <li>What is the purpose to write <math>\Omega</math> as <math>\Omega^*</math>?</li> <li>Page 8: Authors have described <math>W_2</math>, where is <math>W_1</math>?</li> <li>What is <math>a</math> in Eqn. (4)?</li> <li>Fig. 3 to Fig. 6, it is not clear in the graphs what authors want to show?</li> </ul> </li> </ul>	
<b>Optional/General</b> comments		

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

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