

Review Form 1.7

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| Journal Name: | Asian Research Journal of Mathematics |
| Manuscript Number: | Ms_ARJOM_110044 |
| Title of the Manuscript: | The impact of predator-dependent prey refuge on the dynamics of a Leslie-Gower predator-prey model |
| Type of the Article | Original Research Article |

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> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>1. Is the manuscript important for scientific community? The manuscript looks important as it suggests a research topic "The impact of predator-dependent prey refuge on the dynamics of a Leslie-Gower predator-prey model" that is both specific and researchable. The research focuses on understanding how the presence of prey refuge, specifically one that is dependent on the predator, influences the dynamics of a predator-prey model based on the Leslie-Gower equations.</p> <p>2. Is the title of the article suitable? The article title seems good enough as it captured the research idea properly.</p> <p>3. Is the abstract of the article comprehensive? The abstract is good but not comprehensive enough, as the author fails to add a conclusion to his research, he also did not add any recommendation based on his research findings.</p> <p>4. Are subsections and structure of the manuscript appropriate? The subsections are okay, however, the simulations of results should have been done on a separate section, where he would explain the result simulated and describe the contribution of such simulations to the study.</p> <p>5. Do you think the manuscript is scientifically correct? The manuscript is scientifically okay, but not reported properly, as the study was not concluded properly, the findings were not properly stated. For example in the analysis of the Impact of predator-dependent prey refuge on predator and prey densities, the researcher analyses three different cases, but fails to tell us which case according to his finding(s) is the most appropriate to experience. So the author should try and interpret the cases and tell us which case is better to feel and why does he think so.</p> | |
| <p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? | <p>The language used in this manuscript is well communicated.</p> | |
| <p>Optional/General comments</p> | | |

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PART 2:

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

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|----------------------------------|---|
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