

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_118170
Title of the Manuscript:	INVESTIGATING THE IMPACT OF TB OR COVID-19 INFECTIONS ON A POPULATION SUFFERING FROM TB/COVID-19 COINFECTIONS
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.journalajpas.com/index.php/AJPAS/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>1. Understanding the interaction between these two diseases is essential for developing effective prevention and treatment strategies, especially considering the overlapping risk factors and vulnerable populations. Therefore, such manuscript contributes significantly to advancing knowledge in both infectious diseases and guiding clinical practice and public health policies.</p> <p>2. I suggest the title that could entail and be addressed as <b>“MATHEMATICAL MODELING OF THE DUAL BURDEN: ASSESSING THE IMPACT OF TB AND COVID-19 COINFECTIONS ON AFFECTED POPULATIONS”</b></p> <p>3. The abstract of the article is not comprehensive, needs to be restructured so that can tell what mathematical results were achieved and what burden/problem were curbed.</p> <p>4. Subsections and structure of the manuscript are appropriate.</p> <p>5. The manuscript will be scientifically would be more recent this reference could be part of the references</p> <p>i. Ndendya, J. Z., Mlay, G., &amp; Rwezaura, H. (2024). Mathematical modelling of COVID-19 transmission with optimal control and cost-effectiveness analysis. <i>Computer Methods and Programs in Biomedicine Update</i>, 100155. <a href="https://doi.org/10.1016/j.cmpbup.2024.100155">https://doi.org/10.1016/j.cmpbup.2024.100155</a></p> <p>ii. Oswald, S., Liana, Y., Mlay, G., &amp; Kidima, W. B. (2024). Modelling Optimal Control of Bovine Tuberculosis Transmission Dynamics with Associated Costs Public Health Education Campaign, Treatment and Vaccination Cost Effective? <a href="https://dx.doi.org/10.2139/ssrn.4688591">https://dx.doi.org/10.2139/ssrn.4688591</a></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>The English employed in this manuscript meets the standard quality expected of scholarly communications.</p>	
<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>	

**Reviewer Details:**

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