

**Review Form 3**

Journal Name:	<a href="#">Asian Journal of Biology</a>
Manuscript Number:	Ms_AJOB_124989
Title of the Manuscript:	<b>Climate Change: A Review of Its Impacts On The Transmission Of Vector-borne Diseases and Drug Administration.</b>
Type of the Article	<b>Review Article</b>

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript is crucial for the scientific community as it highlights the underexplored relationship between climate change and the transmission of vector-borne diseases, particularly in vulnerable tropical and subtropical regions. By estimating a potential rise in global temperatures and examining its impact on disease propagation, the study provides critical insights into how changes in weather patterns, such as increased rainfall and temperature, may drive the spread of diseases. Furthermore, it addresses the significant implications of climate change on drug efficacy and stability, raising awareness about the potential challenges for disease treatment and management in a warming world. This research is essential for guiding future studies, shaping public health strategies, and informing policy decisions to mitigate the impacts of climate change on global health.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title "Climate Change: A Review of Its Impacts on the Transmission of Vector-Borne Diseases and Drug Administration" is suitable. It clearly communicates the subject matter and scope of the manuscript by addressing both the effects of climate change on disease transmission and its implications for drug administration. The inclusion of "A Review" signals a comprehensive analysis, making it appropriate for a scientific audience.</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract is a good start but can be improved for clarity, structure, and focus.</p> <ul style="list-style-type: none"> <li>- The abstract concludes that "Rising temperatures and global warming due to climate change can alter disease patterns, drug stability and change drug properties, thus potentially increasing drug toxicity and reducing drug efficacy." What is the suggested solution? That should form part of the abstract.</li> <li>-</li> </ul>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The structure of the manuscript can be better.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript is scientifically robust and technically sound as it highlights the critical impact of climate change on the transmission of vector-borne diseases and the effectiveness of drug administration, a topic of increasing relevance in global public health. The article integrates multiple studies, supporting the claim that climate change affects disease transmission patterns, drug stability, and drug toxicity, thus covering the scope of the topic comprehensively.</p> <p>However, some sections, such as the discussion on non-climatic factors affecting disease transmission, could benefit from more in-depth analysis, including a clearer distinction between primary and secondary influences.</p> <p>Additionally, providing more current and specific case studies could enhance the practical relevance of the findings. Addressing these points would further strengthen the manuscript's overall scientific rigor.</p> <p>While the impacts of climate change on vector-borne diseases and effectiveness of drug administration are enumerated, a summary table could bring a stronger focus on the issues. (this is optional).</p> <p>The Conclusion should also address some mitigations or precautions. For example, if climate change can impact drugs, etc what precautions should drugs administrators, manufacturers, etc take knowing that climate change is here and practices should take on board the changes in order to prevent the discussed impacts. The Manuscript should include suggested solutions/precautions.</p>	

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<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>-</p>	<p>References are generally sufficient but could be better.</p> <ul style="list-style-type: none"> <li>- Recency of references: A few are 24 years old. See the third comment providing more current and specific case studies.</li> <li>- Need to be consistent with the Journal referencing format.</li> </ul> <p>Additional references to include:</p> <ul style="list-style-type: none"> <li>- Jia, John A., and Njideka I. Jia. 2024. "Impacts of Climate Change on Occupational Health and Safety: A Comprehensive Review". Asian Journal of Advanced Research and Reports 18 (10):136-54. <a href="https://doi.org/10.9734/ajarr/2024/v18i10761">https://doi.org/10.9734/ajarr/2024/v18i10761</a>.</li> <li>- IPCC. Global Warming of 1.5oC. [Online] IPCC;2018. Available:https://www.ipcc.ch/sr15/.</li> <li>- Ostfeld RS, Brunner JL. Climate change and Ixodes tick-borne diseases of humans. Philosophical Transactions of the Royal Society B: Biological Sciences. 2015;370 (1665): 20140051.</li> </ul>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes. But as mentioned under Abstract, there is room for improvements.</p>	
<p><u>Optional/General</u> comments</p>		

**PART 2:**

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

**Reviewer Details:**

<p>Name:</p>	<p><b>John A. Jia</b></p>
<p>Department, University &amp; Country</p>	<p><b>Nigeria</b></p>