

**Review Form 3**

Journal Name:	<a href="#">Journal of Geography, Environment and Earth Science International</a>
Manuscript Number:	Ms_JGEESI_129423
Title of the Manuscript:	Dynamics of Communicable and non-communicable Health Shocks in the Campo Ma'an National Park: Implications on Natural Resources Dependent Livelihoods
Type of the Article	Epidemiological Study

**General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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**PART 1: Comments**

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	This manuscript is significant for the scientific community as it addresses the intersection of public health and environmental sustainability, shedding light on the impacts of communicable and non-communicable health shocks on resource-dependent livelihoods in a biodiverse yet vulnerable ecosystem. It provides valuable insights into how health crises affect communities reliant on natural resources, contributing to the understanding of health-environment-livelihood linkages. Furthermore, the study highlights the need for integrated policies that prioritize both health interventions and sustainable resource management. By focusing on the Campo Ma'an National Park, the manuscript also enriches the global discourse on balancing human well-being with biodiversity conservation.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	It is informative and adequately reflects the key focus of the manuscript.	

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<p><b>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.</b></p>	<p>The abstract provides a detailed overview of the study, including its objectives, methodology, key findings, and implications. However, it can be made more concise and impactful by focusing on the most critical points. Here are some suggestions for improvement:</p> <p><b>Suggestions for the Abstract:</b></p> <ol style="list-style-type: none"> <li><b>Streamline the Objectives:</b> <ul style="list-style-type: none"> <li>The objectives can be more succinctly stated. For example: <i>"This study aims to examine the determinants and dynamics of health shocks, their implications on natural resource-dependent communities, and the socio-demographic characteristics of the Campo Ma'an National Park population."</i></li> </ul> </li> <li><b>Condense the Methodology:</b> <ul style="list-style-type: none"> <li>Avoid listing exact numbers for interviews unless absolutely necessary. Instead, summarize: <i>"Data were collected through interviews with key informants, experts, and a survey of 200 households in the Campo Ma'an landscape."</i></li> </ul> </li> <li><b>Highlight Key Findings:</b> <ul style="list-style-type: none"> <li>Focus on the most significant findings without overloading the reader with details. For example: <i>"Health shock dynamics are primarily influenced by socio-demographic factors, followed by ecological and economic variables. Communicable diseases like Malaria and COVID-19, and non-communicable diseases like Cancer and Hypertension, reveal distinct risk patterns. These shocks exacerbate poverty, hunger, and economic stagnation while influencing livelihood strategies such as diversification and intensification."</i></li> </ul> </li> <li><b>Add Specific Contributions:</b> <ul style="list-style-type: none"> <li>Explicitly state how the study contributes to the scientific discourse or policy. For instance: <i>"The findings inform the vulnerability dimension of the sustainable livelihoods framework and underscore the need for policy interventions to develop resilient livelihood strategies."</i></li> </ul> </li> <li><b>Remove Redundancies:</b> <ul style="list-style-type: none"> <li>Eliminate repeated mentions of detailed variables (e.g., specific socio-demographic factors and diseases) to avoid overcrowding the abstract.</li> </ul> </li> </ol> <p>The provided keywords are relevant but could be refined to better capture the breadth and focus of the study. Effective keywords should ensure the manuscript is easily discoverable in databases and align closely with its core themes.</p>	
<p><b>Is the manuscript scientifically, correct? Please write here.</b></p>	<p>Overall, the manuscript is scientifically sound, but some areas could be further developed to enhance its clarity, depth, and impact.</p> <p>The <b>Materials and Methods</b> section is generally well-structured but could benefit from further clarification and detail in a few areas:</p> <ol style="list-style-type: none"> <li><b>Sampling Method:</b> More information on the randomization process and how the sample size was determined would strengthen the transparency of the sampling approach.</li> <li><b>Data Analysis:</b> Clarify model diagnostics, such as checks for multicollinearity and missing data handling, and mention how confounders were managed.</li> <li><b>Qualitative Analysis:</b> Indicate if inter-rater reliability was assessed for coding consistency.</li> <li><b>Modeling Approach:</b> Consider elaborating on the use of model selection techniques and interactions between variables.</li> </ol>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>While some of your references are recent and relevant, I recommend adding more studies from the past 2–3 years to ensure your manuscript reflects the latest trends and findings in the field. Including research that explores the impact of health crises on natural resources and livelihoods particularly in the context of recent global challenges such as COVID-19 and climate change will improve the depth and recency of your work. Additionally, it is essential to follow the 7th edition of the APA style guide for manuscript structure, organization, and formatting, including citation</p>	

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	and reference formatting.	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language and overall quality of the manuscript need improvement to enhance clarity and professionalism, ensuring it meets the standards for scholarly communication.	
<b>Optional/General</b> comments	The manuscript provides a comprehensive analysis of the ecological, socio-demographic, and economic determinants of health shocks in the Campo Ma'an National Park region. The discussion is well-structured and presents relevant findings based on both data and expert insights. However, the manuscript could benefit from more robust statistical analysis and clearer presentation of data, particularly when discussing the link between ecological factors, such as rainfall patterns and deforestation, with health outcomes. Additionally, while the socio-demographic and economic factors are well discussed, more concrete data or case studies would strengthen the argument, especially in relation to healthcare access and the impacts of price fluctuations. The comparisons with other regions are useful, but could be more explicitly tied to the unique context of Campo Ma'an for clearer insights. Overall, the manuscript is scientifically sound, but some areas could be further developed to enhance its clarity, depth, and impact.	

**PART 2:**

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

**Reviewer Details:**

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