

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_116287
Title of the Manuscript:	EFFECT OF CLIMATE CHANGE ON NIGERIAN ECONOMIC SUSTAINABILITY
Type of the Article	

Review Form 1.7

PART 1: Review Comments

<p>1. Is the manuscript important for scientific community?</p> <p>2. Is the title of the article suitable?</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p>	<p>Reviewer's comment</p> <p>1.0 Yes the manuscript important for scientific community</p> <p>2.0 The title could be "Assessing the Economic Impact of Climate Change in Nigeria: Evidence from Econometric Analysis"</p> <p>3.0 See reviewer's comment</p> <p>4.0 The subsections and structure of the manuscript are to be revised. 'Empirical Reviews' is to be merged with the 'Literature Review.'</p> <p>5.0 The manuscript is scientifically correct</p> <p>6.0 Additional references are suggested:</p> <ul style="list-style-type: none"> • Agboola, O. P., Ojobo, H., & Aliyev, A. (2023). Ameliorating climate change impacts on the built environment. <i>Civ. Eng. Archit</i>, 11(3), 1324-1336. • Agboola, O. P., Zakka, S. D., & Olatunji, S. A. (2024). Experts profiling on a healthier built environment: Lowering the threat of climate change. <i>International Journal of Human Capital in Urban Management</i>, 9(1). • Agboola, O. P., Alotaibi, B. S., Dodo, Y. A., Abuhussain, M. A., & Abuhussain, M. (2024). Built environment transformation in Nigeria: the effects of a regenerative framework. <i>Journal of Asian Architecture and Building Engineering</i>, 23(2), 789-812. 	<p>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>
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Additional comments</p> <p>The followings revisions are required:</p> <p>1.0 Abstract: The abstract effectively introduces the research topic, emphasizing the significance of climate change on the Nigerian economy, particularly its impact on economic sustainability. However, it lacks depth in explaining why climate change is particularly relevant to Nigeria beyond the general global context. Providing specific examples or statistics regarding Nigeria's vulnerability to climate change would enhance the reader's understanding.</p> <p>2.0 Review of Literature</p> <ul style="list-style-type: none"> • Incorporating specific examples or case studies related to Nigeria's experience with climate change could enhance the relevance and impact of the research. • While reviewing the efforts to tackle climate change in Nigeria.....Previous efforts to tackle climate change issues in Nigeria have come from various international and national governments, citizenry and non-governmental climate agencies (Oluduro, 2012; Onyeneke et al., 2020).....the author(s) should review and cite the following recent published manuscripts: • Agboola, O. P., Ojobo, H., & Aliyev, A. (2023). Ameliorating climate change impacts on the built environment. <i>Civ. Eng. Archit</i>, 11(3), 1324-1336. • Agboola, O. P., Zakka, S. D., & Olatunji, S. A. (2024). Experts profiling on a healthier built environment: Lowering the threat of climate change. <i>International Journal of Human Capital in Urban Management</i>, 9(1). 	

	<ul style="list-style-type: none">• Agboola, O. P., Alotaibi, B. S., Dodo, Y. A., Abuhussain, M. A., & Abuhussain, M. (2024). Built environment transformation in Nigeria: the effects of a regenerative framework. <i>Journal of Asian Architecture and Building Engineering</i>, 23(2), 789-812. <p>The study should include the THEORETICAL FRAMWORK</p> <p>Specification of the econometric or mathematical models used to estimate relationships between variables, including theoretical frameworks or assumptions guiding the model development should be incorporated</p> <p>3.0 Methodology and Data Analysis:</p> <ul style="list-style-type: none">• The manuscript mentions the utilization of Autoregressive Distributive Lag (ARDL)/bond test approach and OLS estimation technique, which is appropriate for analyzing the relationship between climate change and economic sustainability. However, it would benefit from a brief explanation of these methodologies for readers unfamiliar with econometric techniques.• Additionally, while the study provides the goodness-of-fit (R-Square) value and statistical significance of the model, it lacks specific details on the model's specifications and robustness checks, which are crucial for assessing the reliability of the findings.• Explanation of the overall approach taken to address the research question(s), including whether it is qualitative, quantitative, or mixed-methods should be clearly stated.• Description of the sources and methods used to gather relevant data for analysis should be stated• Explanation of the sampling strategy employed to select the study sample or population under investigation. This includes details on the sampling frame, sample size determination, and any sampling methods used (e.g., random sampling, stratified sampling, convenience sampling). <p>4.0 Variables and Control Measures:</p> <ul style="list-style-type: none">• The study outlines the key variables used to measure climate change (average temperature and carbon emissions) and control variables (exchange rate and agricultural production). However, it does not elaborate on why these variables were chosen or discuss potential limitations in their measurement or relevance to the research question.• Providing justification for variable selection and discussing potential biases or confounding factors would strengthen the research's credibility. <p>5.0 Interpretation of Results:</p> <ul style="list-style-type: none">• The study provides a concise summary of the main findings, indicating a significant adverse effect of carbon emissions on Nigerian economic sustainability in both the short and long run, as well as the significant impact of average atmospheric temperature in the short run. However, it lacks specificity regarding the magnitude of these effects or potential mechanisms driving them.• Including effect sizes or discussing potential pathways through which climate change affects economic sustainability would enrich the interpretation of results.• The results should be discussed in relation with the past studies (some studies are	
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Review Form 1.7

	<p>mentioned / suggested in this reviewer's comments.</p> <ul style="list-style-type: none"> • Discussion of the validity and reliability of the research methods and measures employed, including any steps taken to ensure the accuracy, consistency, and generalizability of the findings. • Ethical Considerations: Explanation of any ethical issues or considerations addressed in the research process, such as informed consent, confidentiality, privacy, and potential conflicts of interest. <p>6.0 Policy Implications and Recommendations: The study concludes with recommendations for environmental stakeholders and the Nigerian government to develop and enforce policies aimed at reducing carbon emissions, forest depletion, and promoting environmentally friendly agricultural practices. While these recommendations are relevant and align with the research findings, they could be further elaborated to address potential challenges or barriers to policy implementation and to emphasize the urgency of action in mitigating the adverse effects of climate change on the Nigerian economy.</p> <p>7.0 Conclusion This section is to be expanded more:</p> <ul style="list-style-type: none"> • Provide a concluding statement summarizing the overall significance of the study and its contribution to the field. Emphasize the main takeaway messages and the importance of the research findings in addressing the research question(s) and advancing knowledge in the field. • Closing Remarks: Offer final reflections or insights related to the study, such as the broader societal or scientific significance of the research findings, and encourage further discussion or action based on the implications of the study. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>English quality of the article needs professional editing for scholarly communications</p>	
<p>Optional/General comments</p>	<p>Overall, while the study effectively outlines the research scope, methodology, and main findings, it could be strengthened by providing more contextual information, methodological details, interpretation of results, and actionable policy recommendations.</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>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Review Form 1.7

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