

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_128326
Title of the Manuscript:	Climate Change and Staple Food Production in Nigeria
Type of the Article	

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>
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.	This manuscript provides valuable insights into the intersection of climate change and food security, focusing on Nigeria's vulnerability to climate variability. Through robust econometric analysis, it highlights the effects of carbon dioxide emissions, rainfall, temperature, and methane emissions on food production, contributing significantly to environmental economics and sustainability research. Its findings offer localized evidence and practical policy recommendations to enhance agricultural resilience in developing countries.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, <i>Climate Change and Staple Food Production in Nigeria</i> , is clear and descriptive. However, for increased precision and appeal, I suggest: Impacts of Climate Change Variables on Staple Food Production: Evidence from Nigeria	
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.	The abstract is comprehensive and provides a succinct summary of the study's objectives, methodology, key findings, and policy recommendations. However, it could benefit from a brief mention of the policy implications, particularly on adaptation strategies for mitigating temperature variability's adverse effects.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically sound, with the methodology and analysis appropriately applied. The use of the ARDL model is well-justified given the mixed integration order of the variables, and the interpretation of results aligns with the data. However, additional discussion on potential limitations of the ARDL approach and alternative methods could enhance the robustness of the study.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are adequate and include recent works. However, the inclusion of studies such as " Adapting to climate change: agricultural system and household impacts in East Africa by PK Thornton and The role of methane in future climate strategies: mitigation potentials and climate impacts by Mathijs Harmsen could provide additional context and strengthen the literature review.	
Is the language/English quality of the article suitable for scholarly communications?	The manuscript's language quality is suitable for scholarly communication.	
Optional/General comments		

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PART 2:

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

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