

### Review Form 3

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_128117
Title of the Manuscript:	<b>Green House Gas Emissions and Effects: A Multivariate Investigation</b>
Type of the Article	Original Research Article

#### **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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#### **Important Policies Regarding Peer Review**

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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 highly relevant for the scientific community as it investigates the effects of greenhouse gas (GHG) emissions on both economic and health indices. It addresses the often-overlooked impact of emissions on the death rate, alongside gross domestic product (GDP). By employing multivariate techniques, the study provides comprehensive insights into how emissions influence key societal metrics, which could guide environmental and economic policy formulation.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The title is suitable and appropriately conveys the scope and focus of the study. No changes are suggested.	
<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>	The abstract is largely comprehensive, but it could be improved by including more details on the methodology used, specifically the multiple regression and canonical correlation techniques, to provide readers with a better understanding of the approach taken.	
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes, the manuscript is scientifically robust and technically sound. The use of multiple regression models and canonical correlation is appropriate for the dataset and objectives, and the statistical analyses were conducted properly.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The references are adequate and mostly recent. However, it would be beneficial to include more references focused on the health impacts of GHG emissions, especially studies conducted in regions similar to Nigeria.	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language quality is generally acceptable for scholarly communication, though there are some minor grammatical errors and stylistic inconsistencies that should be addressed to improve readability.	
<b>Optional/General</b> comments	The manuscript could be enhanced by including a discussion on potential policy implications. Specifically, providing recommendations on how policymakers can mitigate the adverse health effects of GHG emissions while promoting economic growth would add value to the study's findings.	

#### PART 2:

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

#### Reviewer Details:

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