

Review Form 1.7

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|--------------------------|---|
| Journal Name:            | Journal of Geography, Environment and Earth Science International                               |
| Manuscript Number:       | Ms_JGEESI_110437  |
| Title of the Manuscript: | TIME SERIES ANALYSIS OF CLIMATE CHANGE, DROUGHT AND FOOD SECURITY NEXUS IN KADUNA STATE NIGERIA |
| Type of the Article      | Research  |

PART 1: Review Comments

|  | 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><b>Compulsory</b> REVISION comments</p> <p>1. Is the manuscript important for scientific community?<br/>(Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable?<br/>(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>This manuscript is crucial for the scientific community as it provides valuable insights into the localized impacts of drought, climate change, and food security in Kaduna State, Nigeria, using advanced time series analysis, making it a significant resource for researchers and policymakers in addressing climate-related challenges in vulnerable regions.</p> <p>May use the alternate title Analyzing the Nexus of Climate Change, Drought, and Food Security: A Time Series Study in Kaduna State, Nigeria</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>May include the following references also</p> <div><div>1. Abaje, I. B. (2009). The impact of desertification in the Sokoto Basin of Nigeria: An overview. African Journal of Environmental Science and Technology, 3(8), 206-212.</div><div>2. Oluwasola, E. A., &amp; Oluyede, V. O. (2019). Climate variability and its impacts on food security in Northern Nigeria. Journal of Agricultural Science and Technology, 21(2), 401-414.</div><div>3. IPCC Special Report on Climate Change and Land (2019). Summary for Policymakers. [https://www.ipcc.ch/srccl/]</div></div> |   |
| <p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>  | <p>Based on the provided abstract, the language and English quality of the article seem suitable for scholarly communication. It's advisable to ensure consistency in language quality throughout the entire document, including methods, results, and discussions, to meet the standards of scholarly communication.</p>  |   |
| <p><b>Optional/General</b> comments</p>  | <p>The abstract is well-structured, effectively conveying the study's objectives, methodology, and findings. The use of specialized datasets and advanced software adds scientific rigor. Including recent sources reflects awareness of current developments. To enhance the manuscript, consider incorporating more literature on the Sahelian region's climate change, drought, and food security nexus, as well as recent publications on the socio-economic impacts of climate change in Northern Nigeria. Overall, the manuscript seems promising and relevant.</p>  |   |

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PART 2:

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|  | 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) |
| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) |   |

Reviewer Details:

|                                  |   |
|----------------------------------|---|
| Name:                            | J. Ebenesar Anna Bagyam                     |
| Department, University & Country | Karpagam Academy of Higher Education, India |