

## Review Form 1.7

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_98013</b>
Title of the Manuscript:	<b>Impacts of Climate Change, Land Use and Land Cover Changes on Watersheds in the Upper East Region of Ghana</b>
Type of the Article	

### **General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljgeesi.com/index.php/JGEESI/editorial-policy> )

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**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> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Abstract:</b></p> <p><b>-Line 15-16:</b> What does authors mean here? Authors need to be more direct or specific as to what they analyzed (i.e., association or linkage between climatic variables and water levels?)</p> <p><b>Introduction:</b></p> <p>-Authors can enrich the literature or introduction section by referring to or citing these current studies by Sarfo et al. (2022) and (2023) on land use changes and climate variability in Ghana. Their study equally highlights some guiding concepts that could anchor this study. Again, the current study can be compared with that of Sarfo et al.</p> <p>-Sarfo, I., Shuoben, B., Beibei, L. <i>et al.</i> (2022). Spatiotemporal development of land use systems, influences and climate variability in Southwestern Ghana (1970–2020). <i>Environ Dev Sustain</i> <b>24</b>, 9851–9883 (2022). <a href="https://doi.org/10.1007/s10668-021-01848-5">https://doi.org/10.1007/s10668-021-01848-5</a></p> <p>-Sarfo, I., Bi, S., Kwang, C. <i>et al.</i> (2023). Class dynamics and relationship between land-use systems and surface temperature in south-eastern Ghana. <i>Environ Earth Sci</i> <b>82</b>, 104 (2023). <a href="https://doi.org/10.1007/s12665-023-10755-z">https://doi.org/10.1007/s12665-023-10755-z</a></p> <p>-In highlighting the drivers, authors could delve into other studies conducted in Ghana or elsewhere (i.e., research progress) with similar scope to show research progress.</p> <p>-The contribution or relevance of this study should be integrated in the last paragraph briefly.</p> <p><b>Methods:</b></p> <p>-Authors could visualize the data acquisition and analysis process with a workflow or flow-chart, supported by the explanations given.</p> <p><b>-Results and discussion:</b></p> <p>The discussion section needs to be organized appropriately. Authors can consider creating a subsection that highlights the drivers and transitions over periods.</p> <p>-Here, the results or may drivers can be explained and compared with existing literature in Ghana like the present study conducted by Sarfo et al. (2022) and 2023; Kleeman et al. 2017; Aduah et al.; Koranteng et al. and so on.</p> <p>-Authors did not compare the study findings to other studies/literature thoroughly.</p> <p><b>Line 253:</b> Kindly be specific with the table number. I presume Table 1 in this instance.</p> <p><b>Conclusion:</b></p> <p>-Authors can briefly integrate some study limitations or gaps that could possibly drive future studies in the last paragraph.</p> <p>-Again, what is the relevance of study findings to inhabitants, policy-makers, industrial players and the international research community?</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p><b>Other comments:</b></p> <p>-The manuscript is generally well-written. However, some minor defects or proficiency errors were detected. Authors are advised to check and correct the said defects to improve the overall proficiency of the paper.</p>	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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:**

Name:	<b>Isaac Sarfo</b>
Department, University & Country	<b>Nanjing University of Information Science and Technology, China</b>