

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_108503</b>
Title of the Manuscript:	<b>Morphometric Analysis using Remote Sensing and Geographical Information System: A Case Study of Nawagarh Watershed of Chhattisgarh, India</b>
Type of the Article	<b>Case study</b>

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>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)</b>
<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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The manuscript is important to the scientific community. The research conducted in the manuscript addresses a significant gap in the literature and provides valuable insights into the topic of interest. The results drawn from the study have the potential to impact future research and inform the scientific community's understanding of the subject matter. The title appears to be suitable, and it indicates the focus of the study which is on morphometric analysis of the Nawagarh watershed. The abstract of the article provides a clear overview of the study's objectives, methodology, and key findings. It highlights the use of a GIS-based approach for evaluating morphometric parameters in the Nawagarh watershed of Chhattisgarh, India. However, geographical location description may not be necessary in this section (abstract) and should be placed in the methodology (study area description). Overall, the abstract effectively summarizes the key aspects of the study, providing a clear understanding of the research conducted and its implications. Some section in the methodology is not present such as, methodological workflow on what and how they have done the RS and GIS analysis. It directly shows the morphometric results and analysis.</p> <p>The manuscript shows the scientific discussions and adapts existing methods in morphometric analysis. Some references provided in the manuscript are updated. Overall, the number of references is somewhat sufficient.</p> <p><b>Other comments:</b></p> <ul style="list-style-type: none"> <li>&gt; Please provide methodological workflow.</li> <li>&gt; The author/s may cite some previous research to compare and validate their results of the analysis e.g., indication or implication of the increase/decrease in value on the parameters, etc. For this reason, it will justify and support their discussions.</li> </ul>	
<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>The text is clear, coherent, and uses appropriate scientific terminologies to describe the morphometric analysis of the Nawagarh watershed. Thus, the language/English quality of the article is suitable for scholarly communications.</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:**

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