

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_127779
Title of the Manuscript:	Morphometric Analysis of Olanthichira Watershed in Malappuram district, Kerala, using Geographic Information System
Type of the Article	Research paper

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 offers a comprehensive morphometric analysis of the Olanthichira Watershed using Geographic Information System (GIS) techniques, contributing valuable insights into the region's hydrological characteristics and terrain dynamics. By evaluating critical parameters such as basin parameters, Linear Parameters, Areal parameters, Relief Parameters, the study enhances our understanding of surface water behavior and potential flood risks in the Malappuram District. These findings support sustainable watershed management and can serve as a reference for future hydrological and environmental planning in similar geographic regions, thereby enriching the scientific community's knowledge base in geomorphology and GIS applications	
Is the title of the article suitable? (If not please suggest an alternative title)	GIS-Based Morphometric Analysis of the Olanthichira Watershed, Malappuram District, Kerala	
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.	Yes	
Is the manuscript scientifically, correct? Please write here.	<input type="checkbox"/> Scientific : the manuscript clearly explain the relevance of morphometric analysis and the importance of studying the Olanthichira Watershed <input type="checkbox"/> Literature Review: there are references to existing studies on watershed morphometry and GIS-based analyses and there is a discussion of the gaps this study intends to fill <input type="checkbox"/> Morphometric Parameters: the morphometric are parameters well-defined and calculated according to established methods in hydrology and geomorphology? <input type="checkbox"/> GIS Techniques: the GIS methodology detailed and it specify which software and data are used. <input type="checkbox"/> Data Quality: Are the data sources reliable	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Add more references from national-level.	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

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

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