

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_130372
Title of the Manuscript:	Spatial and temporal trends in extreme rainfall in a savannah-forest transition zone: the case of the Marahoué catchment area
Type of the Article	

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 addresses a critical gap in understanding trends in extreme precipitation intensities, particularly for stormwater infrastructure design, which is crucial in the context of climate change. The study’s focus on the Marahoué catchment in Côte d'Ivoire provides localized insights into hydroclimatic extremes, emphasizing the importance of region-specific analyses in global climate studies. By applying the modified Mann-Kendall test and integrating spatial analysis techniques such as IDW interpolation, the research offers valuable methodologies for assessing and visualizing trends in extreme rainfall indices. The findings, highlighting intensification of extreme events and the practical utility of decade-based analyses for engineers, are highly relevant for improving water resource management and infrastructure resilience in similar climatic regions.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	The abstract is generally comprehensive but could benefit from slight modifications. Including context on the specific challenges of the Marahoué catchment and elaborating on the significance of key findings would enhance clarity. Additionally, highlighting how these results can directly influence stormwater infrastructure design and climate adaptation strategies would strengthen the abstract's practical relevance.	
Is the manuscript scientifically, correct? Please write here.	Correct after minor corrections	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	<p>The references are relevant but could be supplemented with recent and methodological studies.</p> <p>Example adding</p> <ol style="list-style-type: none">Hore, R. and Al-Mamun, S. (2020), Climate Change and its diverse impact on The Rural Infrastructures in Bangladesh, Disaster Advances, 13(9).Hore, R., Hossain, M.Z., Hore, S. et al. A Comparative Seismic Study of Wrap-Faced Retaining Wall Embankment Using Sands of Bangladesh. Iran J Sci Technol Trans Civ Eng (2024). https://doi.org/10.1007/s40996-024-01600-9Hore, R., Hore, S. (2024). Analysis of Dynamic Soil Properties by a Systematic Approach. In: Feng, G. (eds) Proceedings of the 10th International Conference on Civil Engineering. ICCE 2023. Lecture Notes in Civil Engineering, vol 526. Springer, Singapore. https://doi.org/10.1007/978-981-97-4355-1_59	

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Is the language/English quality of the article suitable for scholarly communications?	Some typo and grammatical mistaken	
Optional/General comments		

PART 2:

	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:

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