

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_118265
Title of the Manuscript:	SPATIAL AND TEMPORAL TREND ANALYSIS OF PRECIPITATION AND TEMPERATURE DATA IN MALWA REGION OF KSHIPRA RIVER BASIN, INDIA
Type of the Article	Original Research 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.journalijecc.com/index.php/IJECC/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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (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>1. Yes, the manuscript is important for the scientific community. It investigates trends in rainfall and temperature over a significant period in the Kshipra river basin, India, which provides crucial data for understanding climate dynamics in the region. By utilizing rigorous statistical methods, the study offers valuable insights into long-term climate trends, which are essential for informing climate change adaptation strategies and water resource management practices. Additionally, the identification of break points/change years adds depth to our understanding of temporal variability in climatic patterns. Overall, this research contributes to the broader scientific knowledge base on regional climate change impacts and is relevant for researchers, policymakers, and stakeholders involved in climate resilience and environmental management efforts</p> <p>2. Yes, the title of the article, "Spatial and Temporal Trend Analysis of Precipitation and Temperature Data in Malwa Region of Kshipra River Basin, India," appears to be suitable. It accurately reflects the scope of the study, which involves analyzing trends in precipitation and temperature data over both space (spatial) and time (temporal) in the specified geographical region (Malwa region of Kshipra River Basin, India). The title effectively communicates the key focus of the research to potential readers and indicates the specific area and variables under investigation.</p> <p>3. Yes it is comprehensive However, there are a few areas where the abstract could be enhanced:</p> <ul style="list-style-type: none"> i. Clarity and Conciseness: While the abstract effectively communicates the main findings, it could benefit from more concise language to improve readability and comprehension. Streamlining complex sentences and removing redundant information can help achieve this. ii. Discussion of Implications: The abstract briefly mentions the implications of the findings for water resource management but could elaborate further on the broader implications for climate resilience, agriculture, and public health in the region. Providing a succinct discussion of these implications would enhance the relevance of the study. iii. Limitations and Future Directions: Including a brief mention of any limitations of the study, such as data availability or methodological constraints, would provide transparency and context for interpreting the results. Additionally, suggesting potential avenues for future research based on the findings can add value to the abstract. <p>4.yes 5. yes</p> <p>yes</p>	

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Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	Based on the article provided, the language and English quality appear suitable for scholarly communication. The abstract effectively communicates the research objectives, methodology, and key findings in clear and concise language. Technical terms related to statistical analysis and climatology are appropriately used and explained, enhancing the accessibility of the content to readers familiar with the field. However, a thorough assessment of the full article, including the methodology, results, and discussion sections, would provide a more comprehensive evaluation of the language and English quality for scholarly communication. Nonetheless, based on the abstract alone, the language appears to meet the standards expected for academic publications in the field of climatology or environmental science.	
Optional/General comments		

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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