

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_92518
Title of the Manuscript:	SPATIAL AND TEMPORAL VARIATION OF RAINFALL AND TEMPERATURE IN SAMBALPUR DISTRICT OF ODISHA
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>)

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)
Compulsory REVISION comments	<p>The investigated topic is one of the recently acknowledged topics in the field of climate change. Temperature and rainfall patterns are key elements to judge climate change in any region as their effects are diverse and impact on many anthropogenic sectors. However, the author(s) failed to use the expanded data set (30 years: 1990-2019) through a comprehensive research approach. The manuscript reads as a report not a research paper.</p> <p>The abstract is to the point, and the statistical test (Mann-Kendall) is appreciated. However, the introduction section needs expansion and to spotlight on previous research and results.</p> <p>The methodology section needs to be re-written adequately especially the 3 equations used to calculate mean, SD and CV.</p> <p>On which basis the author(s) has(ve) chosen the temperature extremes? This must be clarified.</p> <p>There is neither a description of the area of investigation nor a map to show its location and main features. This must be added and inserted.</p> <p>There is no discussion at all. The author(s) just reintroduce their results in text from their tables and figures!</p> <p>A submitted research paper in 2022 is based only on 7 references; two of which are for the statistical approach used (1945 and 1975), and the most recent one is in 2015! Figures (1) and (3) must be re-drawn as they are hard to read in their present forms and resolutions.</p>	
Minor REVISION comments		
Optional/General comments	<p>This manuscript cannot be published in its present form. However, I advise the author(s) to rewrite it; taking the given comments in consideration as the topic is of high interest, the data span is considerable and the results together with a robust discussion can give interested findings.</p>	

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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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