

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_105017
Title of the Manuscript:	FUTURE PROJECTIONS OF RAINFALL FOR TAMIL NADU FROM COUPLED MODEL INTERCOMPARISON PROJECT- 6 (CMIP6)
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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The manuscript titled "Future Projections of Rainfall for Tamil Nadu from Coupled Model Intercomparison Project-6 (CMIP6)" provides valuable insights into the changes in annual and seasonal precipitation in Tamil Nadu under different climate scenarios. The study's aim to project precipitation changes in the context of climate change is commendable. However, during the review, several areas were identified that could benefit from further clarification, expansion, and refinement. The following is a comprehensive review with suggested recommendations:</p> <ol style="list-style-type: none"> 1. Abstract: The abstract needs to be revised to provide a clear overview of the study's objectives, methodology, key findings, and implications. It should encapsulate the entire paper, acting as a concise representation of the research. The conclusion should succinctly reflect the main results and their significance. 2. Introduction: The introduction should be expanded to include a more comprehensive literature review. This will help contextualize the study within the broader field of climate change and precipitation projections. Incorporating more relevant literature will enhance the paper's academic rigor and better establish the study's importance. 3. Methodology: The study area should be described in greater detail, and its relevance to the research should be explicitly stated. This can be linked to Figure 1, which should be integrated into the text to aid readers' understanding. Furthermore, additional explanation of the datasets used, including their sources and characteristics, is necessary to ensure transparency and reproducibility. 4. Figures: Figures 2 to 11 play a critical role in conveying the study's findings. It is recommended to provide clearer captions for each figure, explaining the axes, units, and the scenarios depicted. This will facilitate readers' comprehension, particularly for those less familiar with the field. Additionally, ensuring consistent labeling across all figures is essential for clarity. 5. Conclusion: While the conclusion is well-written, it could be further expanded to provide a detailed summary of the research findings. Each scenario's specific implications should be highlighted, including the projected percentage changes in precipitation. Elaborating on the potential impacts of these findings on agriculture, water management, and food security will enhance the conclusion's depth. 6. Future Implications and Policy Recommendations: Consider adding a section that outlines the practical implications of the study's findings. This can include recommendations for policymakers and stakeholders on adapting to the projected changes in precipitation. Discussing potential strategies for managing increased precipitation and ensuring sustainable agricultural practices would be particularly valuable. 7. Language and Clarity: Ensure consistent and precise use of terminology throughout the manuscript. Review sentence structures to enhance clarity and readability. Proofread the text to eliminate any grammatical errors or 	

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	<p>typos that might distract from the content.</p> <p>8. Visual Presentation: The manuscript could benefit from a consistent visual presentation of data, using appropriate fonts and formatting. This will contribute to a more professional and reader-friendly appearance.</p> <p>In conclusion, the manuscript contributes meaningfully to the study of future precipitation projections in Tamil Nadu. Addressing the aforementioned issues will enhance the manuscript's academic quality, clarity, and impact. The findings hold significance for policymakers, researchers, and stakeholders working on climate change adaptation and water resource management in the region.</p>	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?		
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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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