

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_130542
Title of the Manuscript:	Quantifying climate change resilience in agriculture: Regional level indicators-based assessment and agro-climatic zones wise mapping for 102 districts of central India
Type of the Article	Original Research Article

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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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<p>I have read the article carefully, and it is in my field of interest. Kindly allow me to make the following notes</p> <ol style="list-style-type: none">1- In the title of the article and in many other places the authors say 102 districts, while in 3.2 in two places, they say 120 districts. I think this is a misprinting and should be corrected.2- The most important climate and weather of India is Monsoon. The authors never mentioned monsoon in the article. I believe, it would be important and necessary to add a small paragraph on monsoon and its impact on agro-climate zones and on agriculture crop production in India. It can be added just after the introduction.3- The authors try to study the agro-climate zone of India. We all know about the koppen climate classification zones. There should be a linkage or an inter-relation between these two. I suggest the authors should mention the India climate zone and it is under which category of Koppen is and how is related with each other. The authors used the up to date data recorded by modern technology. Do the results give any discrepancy or does koppen underestimated/overestimated of Indian climate and its impact?4- In 2.2.2 the authors tackled the trend analysis using Mann-Kendal test successfully. Good job and well-done.5- In the introduction and in 3.2 and in equation (2), the authors define the Climate Resilience in different words and in different statement, which are the same. I believe it is not necessary the same definition three times. One time is enough. <p>Overall, the manuscript is quite good article, and deserve publishing after the minor corrections I suggested.</p>	<p>Respected reviewer, thank you very much for your positive feedback regarding the manuscript.</p> <ol style="list-style-type: none">1. Corrections have been incorporated and highlighted in 3.2.2. A small paragraph on Indian Monsoon and its impact have been added in the introduction section.3. Paragraph on Koppen classification included in 3.7 (previously 3.8)4. Thank you.5. Equation 2 is necessary for more defined way of presentation. I agree that in introduction, a general definition has been in order a present a general idea of ‘climate resilience in agriculture’.

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)	there are no ethical issues in this manuscript.