

Review Form 3

Journal Name:	Asian Research Journal of Agriculture
Manuscript Number:	Ms_ARJA_122549
Title of the Manuscript:	IDENTIFICATION OF MUTATION POINT AND TREND ANALYSIS OF AREA, PRODUCTION AND YIELD OF WHEAT CROP IN GUJARAT
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

<u>Compulsory</u> REVISION 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>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>The importance of a manuscript to the scientific community lies in its contribution to advancing knowledge, providing significant data that can be used as a foundation for further research. This particular manuscript stands out because it addresses a critical gap in the current understanding of Identification of Mutation Point and Trend Analysis of Area, Production and Yield of Wheat Crop in Gujarat, offering new insights that could inspire future studies and applications. I appreciate this manuscript for its rigorous methodology, clear presentation of results, and the potential it has to influence ongoing debates in the field. However, there may be areas where it could improve the limitation also.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>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.</p>	<p>Ensure that the statistical methods are explained briefly for readers unfamiliar with them. Emphasize how your findings could influence future agricultural policy or practices in Gujarat, making the conclusion more impactful. These adjustments should make the abstract more concise and accessible while maintaining its technical rigor.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript appears to be scientifically robust and technically sound because it employs well-established statistical methods, such as Pettitt's test, Sen's slope estimator, and the Mann-Kendall test, to identify mutation points and analyze trends in wheat crop data. The use of non-parametric tests for trend analysis ensures that the results are less affected by assumptions of normality, enhancing the reliability of the findings. Additionally, the long-term time series data (from 1973-74 to 2022-23) provides a comprehensive basis for assessing trends, ensuring that the conclusions drawn are based on extensive historical data. The application of multiple tests to validate mutation points further adds to the robustness of the results, as it reduces the likelihood of bias from a single method.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Your references are solid, with a mix of foundational and recent works. However, supplementing them with more recent studies (2020-2024), especially in the areas of climate impact on agriculture and recent advancements in statistical methods, would enhance the scientific robustness of your manuscript.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language is fully suitable for scholarly communication.</p>	
<p><u>Optional/General</u> comments</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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