

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_123180
Title of the Manuscript:	Factors Affecting Farmers' Attitude Toward Climate Resilient Agricultural Technologies in Telangana, India
Type of the Article	

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PART 1: Review Comments

Compulsory 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>This manuscript addresses a critical issue in agricultural adaptation to climate change by exploring factors influencing farmers' attitudes toward Climate-Resilient Agricultural (CRA) technologies in Telangana, India. The study is particularly valuable because it sheds light on how socio-economic variables, such as education and economic motivation, affect the adoption of sustainable practices, which is crucial for improving agricultural resilience in vulnerable regions.</p> <p>I appreciate the manuscript's focus on the NICRA project, as it provides practical insights that could guide policymakers and extension services in promoting CRA technologies more effectively. However, the discussion could be enriched by further exploring the implications of the findings and by comparing regional differences in attitudes more thoroughly.</p> <p>The study makes a significant contribution to understanding the dynamics of agricultural adaptation in the face of climate change.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Hence, alternatively "Determinants of Farmers' Attitudes Toward Climate-Resilient Agriculture: Insights from NICRA in Telangana, India"</p> <p>The article title, "Factors Affecting Farmers' Attitude Toward Climate Resilient Agricultural Technologies in Telangana India," is somehow clear and descriptive. However, it could be more concise and reflective of the study's scope, particularly highlighting the focus on specific districts and the NICRA project</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>The abstract provides a good overview of the study, including the research problem, methodology, and key findings. However, there are areas where it could be improved to enhance clarity and comprehensiveness.</p> <ol style="list-style-type: none"> 1. Objective Statement: <ul style="list-style-type: none"> o Explicitly state the primary objective of the study at the beginning of the abstract. For example, "This study aims to assess the factors influencing farmers' attitudes toward climate-resilient agricultural technologies in Telangana, India." 2. Key Findings: <ul style="list-style-type: none"> o Include more specific quantitative findings, such as the exact contribution of key variables like education or economic motivation to the variance in attitudes. This adds precision to the abstract. 3. Policy Implications: <ul style="list-style-type: none"> o Mention the broader implications of the study's findings, such as how they could inform policy decisions or extension strategies to promote the adoption of CRA technologies. <p>Suggested Deletions:</p> <ol style="list-style-type: none"> 1. Redundancy: <ul style="list-style-type: none"> o Consider removing redundant phrases that do not add substantial new information. For example, the sentence "Farmers' attitude is vital in the adoption of new technology" could be condensed or omitted since it is reiterated through the discussion of results. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are generally appropriate and follow a logical flow</p> <p>Suggested Structure:</p> <ol style="list-style-type: none"> 1. Abstract 2. Introduction <ul style="list-style-type: none"> o Background o Objectives/Research Questions 3. Methodology <ul style="list-style-type: none"> o Study Area o Sampling Technique o Data Collection 	

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	<ul style="list-style-type: none"> ○ Data Analysis 4. Results <ul style="list-style-type: none"> ○ Correlation Analysis ○ Chi-Square Analysis ○ Regression Analysis 5. Discussion <ul style="list-style-type: none"> ○ Interpretation of Findings ○ Comparison with Previous Studies (if there are previous studies in the area) ○ Implications 6. Conclusion 7. Policy Implications 8. References 	
<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 is scientifically robust and technically sound due to its rigorous methodological approach and comprehensive data analysis. The use of an ex-post facto research design, along with multistage random sampling, ensures that the findings are both reliable and generalizable within the context of the study area. The statistical techniques employed, including correlation, chi-square, and regression analyses, are appropriate for examining the relationships between the variables and provide a strong basis for the conclusions drawn. Additionally, the study's focus on key socio-economic factors influencing the adoption of climate-resilient agricultural technologies adds valuable insights to the field, making the research both relevant and impactful.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>:-</p>	<p>The references in the manuscript are generally sufficient and include a mix of foundational and recent studies relevant to the topic. The manuscript cites key sources that provide a solid background on climate change impacts, agricultural adaptation, and farmer behavior, which supports the study's findings and discussions. However, there are a few areas where the reference list could be enhanced:</p> <ol style="list-style-type: none"> 1. Recency: While some references are recent (e.g., 2021, 2024), a few are older (e.g., 2006, 2007). Incorporating more recent studies from the past 5 years could strengthen the manuscript's relevance, especially in rapidly evolving fields like climate-resilient agriculture. 2. Diversity of Sources: The manuscript primarily references studies focused on India. While this is appropriate given the context, adding references from international studies on similar topics could broaden the perspective and highlight global relevance. 	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the manuscript are generally suitable for scholarly communication, with clear and concise phrasing throughout. However, there are a few areas that could benefit from minor revisions to enhance clarity and readability:</p>	
<p><u>Optional/General</u> comments</p>	<p>This manuscript addresses a timely and important topic in the field of agricultural adaptation to climate change, offering valuable insights into the factors influencing farmers' attitudes toward climate-resilient technologies. The study's findings have practical implications for policymakers and extension services, particularly within the context of the NICRA project in India. While the manuscript is well-structured and methodologically sound, minor revisions in language and additional references could further enhance its impact. The overall contribution of this research to the scientific community is significant, and with some refinements, it will be a strong addition to the literature.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with the 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 detail)</i>	

Reviewer Details:

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