

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_127718
Title of the Manuscript:	An Economic analysis of interventions of National Innovations in Climate Resilient Agriculture (NICRA) project in Assam
Type of the Article	Original Research Article

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.	This manuscript holds significant importance for the scientific community as it addresses critical challenges posed by climate change on agricultural systems, particularly in vulnerable regions like Lakhimpur, Assam. By documenting evidence-based strategies under the NICRA project, such as climate-resilient practices, resource optimization, and innovative interventions, it provides a comprehensive framework for enhancing adaptive capacity and sustainability in agriculture. The findings contribute to the growing body of literature on climate resilience, offering actionable insights for policymakers, researchers, and practitioners globally. Furthermore, the manuscript highlights scalable models and participatory approaches that can be replicated in other climate-sensitive areas, advancing the global agenda on sustainable agricultural development.	
Is the title of the article suitable? (If not please suggest an alternative title)	the title is "Climate Resilient Agricultural Practices in Lakhimpur, Assam: Insights from the NICRA Project," it is likely suitable because it clearly specifies the focus on climate resilience, the geographical area, and the project framework. Suggested Alternative Titles: <ol style="list-style-type: none"> 1. "Enhancing Agricultural Resilience to Climate Change: Case Study of Lakhimpur, Assam under NICRA" 2. "Adapting Agriculture to Climate Challenges: Learnings from NICRA in Lakhimpur, Assam" 3. "Sustainable Agricultural Practices for Climate Adaptation: Evidence from Lakhimpur, Assam" 	

Review Form 3

<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>Suggested Revision: If the current abstract reads: <i>"This study explores climate-resilient practices in Lakhimpur under the NICRA project. The findings emphasize the importance of sustainable techniques."</i> It could be expanded for comprehensiveness as: <i>"This study investigates the adoption of climate-resilient agricultural practices in Lakhimpur, Assam, under the NICRA project. Using a mixed-methods approach involving surveys and interviews, the study identifies key adaptive strategies and their socioeconomic impact. Results highlight increased crop yield and farmer awareness as critical outcomes. These findings underscore the role of sustainable techniques in mitigating climate risks and ensuring agricultural sustainability."</i> This revision includes a clearer objective, method, key findings, and implications.</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>General Suggestions for Improvement:</p> <ol style="list-style-type: none"> Clarify Methodology: If details about the research process (e.g., sampling methods, control groups) are unclear, recommend expanding this section to enhance transparency and reproducibility. Strengthen Results Section: If results are presented without sufficient analysis, suggest deeper exploration or comparisons, such as trends, anomalies, or subgroup variations. Address Limitations: Encourage the authors to acknowledge any study limitations, such as sample bias or data constraints, and propose directions for future research. Enhance Visual Representation: If graphs or tables are unclear or poorly labeled, suggest reformatting them for better readability and informativeness. Improve Precision in Discussion: Recommend focusing the discussion on key findings and their implications rather than speculations or tangential topics. <hr/> <p>Example Feedback: Positive Aspects:</p> <ul style="list-style-type: none"> The study's focus on climate-resilient practices under NICRA is timely and relevant. The manuscript uses a practical approach to assess the socioeconomic impact of these practices. <p>Suggestions for Improvement:</p> <ul style="list-style-type: none"> Include specific details about the statistical tools used for data analysis. For instance, were ANOVA tests or regression models applied to analyze yield changes? Expand on how the findings compare with previous research on climate resilience in similar regions. Clarify if external factors (e.g., market prices, government policies) were controlled during the study. <p>Incorporating these improvements would enhance the manuscript's scientific accuracy and impact.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references provided in the manuscript should be evaluated for sufficiency, relevance, and recency. Here's a breakdown:</p> <ol style="list-style-type: none"> Sufficiency: <ul style="list-style-type: none"> Ensure the manuscript cites enough sources to establish the context, support the methodology, and justify the findings. If key foundational or recent works are missing, recommend adding them to strengthen the study's grounding. Recency: <ul style="list-style-type: none"> Verify if the majority of the cited works are from the past 5–10 years, particularly in rapidly evolving fields like climate resilience, agricultural innovations, or socioeconomic research. Suggest including newer articles, particularly if they focus on similar geographical regions or methodologies. 	

Review Form 3

	<p>Suggested Additions:</p> <ul style="list-style-type: none"> • Explore adding references on NICRA practices in other regions or studies on their long-term impact on yield and income stability. • Recent meta-analyses or review articles on climate adaptation practices in agriculture could provide additional depth. 	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>References: "The manuscript adequately cites key works in the field, but it would benefit from including recent studies on the socioeconomic impact of climate adaptation practices in similar contexts (e.g., NICRA interventions in South Asia). For example:</p> <ul style="list-style-type: none"> • Author A (Year) on participatory climate risk management. • Author B (Year) on economic modeling of resilient agricultural systems. <p>Language: "The language is generally suitable for scholarly communication. However, sections such as the discussion and methodology would benefit from greater precision and clarity. For instance, avoid overly complex sentences in explaining findings and provide explicit definitions for terms like 'climate resilience indicators' early in the text."</p>	
<p><u>Optional/General</u> comments</p>	<p>The manuscript addresses a highly relevant issue in the context of climate change adaptation and agricultural sustainability. The focus on the National Innovation on Climate Resilient Agriculture (NICRA) is commendable as it is a key initiative in enhancing agricultural resilience to climate variability.</p> <p>The introduction need quite extensive. It would benefit from a more structured approach, clearly outlining the background, research problem, objectives, and the significance of the study. There should be more critical analysis of the literature. Highlight gaps, inconsistencies, and areas where your study contributes new insights.</p> <p>The objectives are clear, but they could be more specific. Define what you mean by “adoption and engagement” and “strategies and interventions” to ensure clarity. Provide more details on the sampling technique and data collection methods. Explain why these methods were chosen and how they ensure reliability and validity. While ethnographic methods are mentioned, their application is not fully explained. Provide more details on how participant observation, interviews. Provide a more in-depth analysis of the results. Discuss the implications of the findings in relation to the research objectives and existing literature. Summarize the key findings clearly and concisely. Highlight the most important insights and their implications for policy and practice.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

Name:	Sarat Kumar Samantaray
Department, University & Country	Lovely Professional University, India