

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_128781
Title of the Manuscript:	Climate-Resilient Rice Cultivation in India: Overcoming Challenges for Sustainable Food Security
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: 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 addresses an alarming issue in India's agricultural sector: the urgent need to adapt rice cultivation to the challenges by climate change to safeguard food security. The article highlights the severity of these threats and introduces climate-resilient agriculture (CRA) practices as practical and promising solutions. The relevance of this topic cannot be overstated, given the growing concerns over sustainable food production in an increasingly volatile climate. This manuscript is well-articulated, with its content directly addressing one of the pressing issues of recent time. That said, there are areas where the article could benefit from further clarity and depth and scientifically robust. Expanding on some points and refining others could enhance its impact and make it even more compelling for publication.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Abstract needs some sound improvement. The abstract does not clearly present the main findings or contributions of the paper. It should mention how the research addresses the challenges of climate change and what solutions or insights the paper offers. For instance, it could highlight the effectiveness of specific climate-resilient practices or strategies demonstrated in the manuscript. The term "climate-resilient practices" is mentioned without much explanation. Including a brief clarification or example of what these practices entail would make the abstract more accessible. The abstract emphasizes the urgency of addressing climate change's effects on rice cultivation, which is highly relevant to India's agricultural sector and food security. However the abstract emphasizes the urgency of addressing climate change's effects on rice cultivation, which is highly relevant to India's agricultural sector and food security.	
Is the manuscript scientifically, correct? Please write here.	This manuscript is scientifically correct. While the article references several studies, there could be a more thorough analysis of the specific quantifiable impacts of climate change on rice yield in India. For example, more details on regional variations in yield loss due to climate factors would help contextualize the discussion and highlight the urgency of adopting climate-resilient practices.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References used by the authors are more than sufficient. No need to add more. The references are recent also.	

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Many instances of awkward sentence structures and minor grammatical issues that could be revised for clarity. For instance, some sentences are overly long and may confuse the reader. Breaking them down into shorter sentences would improve readability.</p>	
<p>Optional/General comments</p>	<p>Strengths: The abstract clearly highlights the major issue of the research, which is the impact of climate change on rice farming in India and the need of climate-resilient agricultural techniques for food security. The abstract highlights the need of tackling climate change's impact on rice farming, particularly for India's agricultural sector and food security. It briefly explains the notion of climate-resilient techniques, such as drought-resistant and flood-tolerant rice varieties, providing context for the solutions discussed in the study. Major areas of improvements</p> <ul style="list-style-type: none"> • Strengthen the Conclusion Conclusion needs improvement. The conclusion could reiterate the importance of acting now to protect rice cultivation from climate risks. Offering actionable recommendations—both for policymakers and for on-ground implementation—would leave readers with a clear sense of direction. Ending with a call for collaboration across stakeholders would make the conclusion more relevant. • Define the Problem More Specifically While the paper identifies climate change as a threat, it would benefit from a more detailed discussion of specific challenges to rice cultivation in India—such as erratic rainfall patterns, increased frequency of floods and droughts, or rising temperatures. Including data or examples from key rice-growing regions like the Indo-Gangetic plains or the North Eastern states would help contextualize the discussion. • Grammatical and sentence improvement needs to be done. Kindly go thorough it minutely . 	

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<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:

<p>Name:</p>	<p>Mriganka Barman</p>
<p>Department, University & Country</p>	<p>Assam Agricultural University, India</p>