

### Review Form 3

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_129234
Title of the Manuscript:	RESILIENCE OF C4 CROPS TO CLIMATE VAGARIES
Type of the Article	Review 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.		
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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<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p><b>General Comments for the Article</b></p> <p><b>Strengths</b></p> <ol style="list-style-type: none"><li>1. The article provides a detailed discussion of C4 crops and their resilience to climate change, making it highly informative.</li><li>2. The topic is timely and addresses critical issues like food security and climate resilience, which are of global importance.</li><li>3. The language and terminology are appropriate for a scientific audience, enhancing the credibility of the article.</li><li>4. The inclusion of sections like photosynthesis pathways, subtypes of C4 photosynthesis, and climate-smart agriculture provides a holistic view.</li></ol> <p><b>Areas for Improvement</b></p> <ol style="list-style-type: none"><li>1. Some sections lack detailed explanations or supporting data. For instance, the discussion on CRISPR and photosynthesis advancements could benefit from recent case studies or breakthroughs.</li><li>2. Ensure consistency in citation formatting and completeness of reference details and include more primary research articles and fewer general sources to strengthen scientific rigor.</li><li>3. Adding diagrams, tables, or figures (e.g., comparing C3 and C4 pathways, production statistics for C4 crops) could enhance reader engagement and understanding.</li><li>4. Some points are broad or generic (e.g., Crops may experience severe weather events...). Providing specific examples or regions would make the article more impactful.</li><li>5. The article would benefit from stronger connections between the findings and their real-world applications or policy implications.</li></ol> <p><b>Recommendations</b></p> <ol style="list-style-type: none"><li>1. Expand discussions with quantitative data, statistical comparisons, or experimental results where applicable.</li><li>2. Use specific examples to illustrate the concepts, such as successful implementation of climate-smart agriculture practices.</li><li>3. Include actionable recommendations or policy implications to provide a clear takeaway for the reader.</li><li>4. Cross-check all citations and replace general sources with peer-reviewed articles wherever possible.</li></ol> <p><b>Verdict</b></p> <p>This article is subject to publication after the researcher addresses the comments and suggestions made during the review process.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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