

Review Form 1.7

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_119587
Title of the Manuscript:	Heat Stress in Maize: Understanding the Physiological and Biochemical Impacts
Type of the Article	

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

(<https://journaljabb.com/index.php/JABB/editorial-policy>)

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PART 1: Review Comments

	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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>-This research is very important to the community.</p> <p>-The title "Heat Stress in Maize: Understanding the Physiological and Biochemical Impacts" is suitable for the article. It clearly conveys the focus of the research on how heat stress affects maize at physiological and biochemical levels. It is concise, informative, and likely to attract readers interested in plant biology, agriculture, and climate change impacts.</p> <p>-Yes, the abstract is comprehensive. It covers all the essential aspects of the impact of climate change on maize,</p> <p>- Overall, the structure guides the reader through a comprehensive exploration of how heat stress affects various aspects of maize growth and development. Each subsection is well-defined and contributes to building a thorough understanding of the topic, making the manuscript informative and cohesive.</p> <p>- To ensure scientific correctness, it's important to continuously review and update the references to include recent studies and advancements in the field. Also, considering peer review or feedback from experts in the field can further validate the scientific accuracy of your manuscript.</p> <p>- Given the dynamic nature of climate change research, it's essential to include recent studies published within the last 5-10 years, especially those that reflect current trends and advancements in understanding heat stress impacts on maize. Make sure your references include studies from recent IPCC reports, as well as research articles published in reputable journals focusing on agriculture, climate change impacts, and plant physiology. Suggestions for additional references</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>Overall, based on these points, the language and quality of the article seem suitable for scholarly communication in terms of clarity, technical accuracy, structural coherence, and the use of appropriate visual aids and references. However, continuous review and refinement, especially regarding the latest research and language precision, are always beneficial for improving scholarly articles.</p>	
<p>Optional/General comments</p>	<p>Highlight the Most Critical Findings: Emphasize the most impactful discoveries from the research to make the conclusion more compelling.</p> <p>Specify the Role of Each Substance: Briefly mention how each of the plant growth regulators (e.g., gibberellic acid, abscisic acid) contributes to mitigating heat stress to provide clearer insights into their significance.</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>	

Reviewer Details:

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