

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_125404
Title of the Manuscript:	Enumeration of genetic variability parameters and association among early seedling growth parameters under polyethylene glycol (PEG) induced osmotic stress in rabi sorghum (sorghum bicolor (L.) Moench)
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This manuscript is valuable to the scientific community as it explores genetic variability and early growth traits of <i>Sorghum bicolor</i> under PEG-induced drought stress, providing insights for breeding drought-tolerant varieties. I appreciate its focus on drought resilience, a key challenge in sorghum cultivation. However, deeper analysis of the underlying physiological mechanisms would further enhance its contribution.	
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.	The abstract provides a good overview of the research focus on genetic variability and early seedling growth under PEG-induced osmotic stress in <i>Sorghum bicolor</i> . However, it could be more comprehensive by including the following: <ol style="list-style-type: none"> 1. Clear mention of key findings: Include specific results on genetic variability and associations between traits for a stronger impact. 2. Methodology summary: Briefly mention the experimental design or approach used to induce osmotic stress. 3. Implications for breeding: Highlight how the findings can be applied in breeding programs for drought-resistant sorghum. 	
Are subsections and structure of the manuscript appropriate?	yes	
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.	The manuscript appears scientifically robust and technically sound due to its well-defined objectives and the use of appropriate methodologies, such as the application of PEG-induced osmotic stress to simulate drought conditions in <i>Sorghum bicolor</i> . The statistical analysis of genetic variability and trait associations is thorough, supporting the validity of the findings. Additionally, the manuscript follows standard protocols in evaluating early seedling growth parameters, ensuring the reliability of the data. These aspects contribute to the scientific correctness and credibility of the study.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	yes	
<u>Minor</u> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments		

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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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