

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 (<i>sorghum bicolor</i> (L.) Moench)
Type of the Article	Original Research Article

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.	The focus on identifying drought-tolerant sorghum genotypes using osmotic stress is highly relevant, especially considering the global challenge of water scarcity and the importance of sorghum as a staple crop.	
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 is concise.	
Are subsections and structure of the manuscript appropriate?	The paper has a logical flow with distinct sections, including a well-defined introduction, methodology, results, and conclusion.	
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 article includes a thorough statistical analysis, such as ANOVA, heritability estimates, and correlation coefficients, which are critical for understanding genetic variability and trait relationships under stress. The use of PEG to induce osmotic stress is a recognized method for simulating drought conditions, which allows for controlled comparisons between genotypes.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Nil	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	Include a justification for the chosen PEG concentrations, perhaps referencing other studies that use similar or different concentrations, and explain how these levels of stress correlate with real drought conditions. Discuss the implications of high heritability and genetic advance for specific traits in more detail. For example, how might these traits be targeted in future breeding programs?	

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:

Name:	T. Sabesan
Department, University & Country	Annamalai University, India