

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_127341
Title of the Manuscript:	Identification of Superior Forage Pearl Millet Genotypes through Multi-Trait Analysis and Cluster Grouping in Diverse Temporal Semi-Arid Environments
Type of the 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 research paper presents a comprehensive analysis of genetic variability and trait associations in forage pearl millet genotypes. The study employs a robust methodology, including ANOVA, correlation analysis, PCA, and cluster analysis, to identify promising genotypes with superior forage attributes. The paper is generally well-written and provides valuable insights into the complex relationships between various traits and their impact on forage yield.	
Is the title of the article suitable? (If not please suggest an alternative title)	Ok	
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 and informative, but it could be enhanced by including specific results or findings to make it more impactful. For example, instead of saying "This comprehensive analysis identified promising genotypes with superior forage attributes and important trait associations...", you could mention the specific genotypes that showed superior performance.	
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.	Overall, the comprehensive methodology, rigorous experimental design, detailed data analysis, and thorough discussion contributes to the scientific robustness and technical soundness of the manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	<input type="checkbox"/> The references seem comprehensive and up-to-date. Ensure that all references are cited correctly in the text and that the reference list is formatted according to the journal's guidelines. However, some more references may be added like <ul style="list-style-type: none"> ❖ Kumar, S., Babu, C., Revathi, S. and Sumathi P. (2017). Genetic variation deliniation among fodder pearl millet [<i>Pennisetum glaucum</i> (L.)] accessions and Napier grass germplasm using SSR markers. Indian Journal of Ecology. 44(4): 186-189 ❖ Kumar, S., Babu, C., Revathi, S. and Sumathi P. (2017). Estimation of genetic variability, heritability and association of green fodder yield with contributing traits in fodder pearl millet [<i>Pennisetum glaucum</i> (L.)]. International Journal of Advanced Biological Res. 7(1): 131-136 ❖ Kumar, S., Babu, C., Sumathi P. and Revathi, S. (2017). Estimation of per se Performance of Yield Traits in Fodder Pearl Millet [<i>Pennisetum glaucum</i> (L.) R. Br.]. Environment & Ecology 35(3C): 2316—2321 	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<ul style="list-style-type: none"> • Provide more information about the environmental conditions in each of the three seasons, as this could have influenced the results. • Discuss any limitations of the study and suggest areas for future research. • Ensure consistent use of abbreviations throughout the paper. Introduce abbreviations properly at first use and then use them consistently. • Add these references related to fodder pearl millet: <ul style="list-style-type: none"> ❖ Kumar, S., Babu, C., Revathi, S. and Sumathi P. (2017). Genetic variation deliniation among fodder pearl millet [<i>Pennisetum glaucum</i> (L.)] accessions and Napier grass germplasm using SSR markers. Indian Journal of Ecology. 44(4): 186-189 ❖ Kumar, S., Babu, C., Revathi, S. and Sumathi P. (2017). Estimation of genetic variability, heritability and association of green fodder yield with contributing traits in fodder pearl millet [<i>Pennisetum glaucum</i> (L.)]. International Journal of Advanced Biological Res. 7(1): 131-136 • Kumar, S., Babu, C., Sumathi P. and Revathi, S. (2017). Estimation of per se Performance of Yield Traits in Fodder Pearl Millet [<i>Pennisetum glaucum</i> (L.) R. Br.]. Environment & Ecology 35(3C): 2316—2321 	
<p>Optional/General comments</p>		

PART 2:

	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>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:

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