

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_127959
Title of the Manuscript:	Impact of Various Desiccants on Seed Quality parameters in Okra (<i>Abelmoschus esculentus</i> L. Moench)
Type of the Article	Research paper

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript addresses an important topic in agricultural research by investigating the impact of desiccants on seed quality parameters in okra, a critical crop for food security and income generation. The findings contribute to understanding effective storage technologies that preserve seed viability and germination potential, which are essential for sustainable agricultural practices. Furthermore, the study's focus on genotypic variations enhances its scientific value by providing insights into genotype-specific responses to drying treatments. These results hold practical implications for seed conservation strategies and could guide future research in seed physiology and storage optimization.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title is suitable but could be made more specific to highlight the key aspects of the study. Suggested alternative: "Effect of Zeolite Beads and Silica Gel on Seed Quality Parameters of Okra Genotypes"	
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 but could benefit from improved clarity and focus. Specifically: <ul style="list-style-type: none"> Highlight the practical implications of the findings in one or two sentences. Briefly mention the most significant results (e.g., specific percentages or comparisons) to give the reader a clearer understanding of the outcomes. 	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically sound, with well-designed experiments and appropriate statistical analyses. However, a more detailed explanation of the underlying mechanisms of desiccants' effects on seed physiology would strengthen the study. The interpretation of results aligns with existing literature but could be expanded to include potential implications for broader agricultural applications.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are relevant. However, a few additional references on desiccants' role in seed storage and similar studies on other crops would enhance the discussion section. Suggested references: Vijay, M. K., Pandey, S., Pandey, C. D., & Jeshima, Y. (2015). Impact of drying methods on the seed quality of sorghum (<i>Sorghum bicolor</i> (L.) Moench). <i>African Journal of Agricultural Research</i> , 10(16), 1898–1903. https://doi.org/10.5897/AJAR2015.9649 Vijay, M. K., Pandey, S., & Pandey, C. D. (2014). Drying methods, moisture content, and aging impacts on seed protein profile of pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.). <i>International Journal of Agriculture and Food Science Technology</i> , 5(6), 557–564. Available from	

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Is the language/English quality of the article suitable for scholarly communications?	The language is suitable for scholarly communication but requires minor revisions for grammar, sentence structure, and consistency.	
Optional/General comments	<input type="checkbox"/> The manuscript is valuable for researchers working on seed storage and crop improvement. However, including a practical framework for applying these findings in real-world agricultural practices would broaden its appeal. <input type="checkbox"/> Adding a brief discussion on the potential environmental impact of using desiccants would be beneficial.	

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

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