

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_124383
Title of the Manuscript:	EFFECT OF BIOGENIC SILICA SEED COATING ON SORGHUM (VAR. K 12) SEED STORAGE USING DIFFERENT STORAGE CONTAINERS UNDER AMBIENT CONDITION
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)
<p>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.</p>	<p>This manuscript presents valuable insights into the use of biogenic silica seed coatings for enhancing the storage quality of sorghum seeds, an important crop in global agriculture. Its findings contribute to the growing body of knowledge on sustainable agricultural practices, particularly in developing regions where effective seed storage is critical. The comparison of different storage containers alongside seed treatments provides a practical approach for farmers aiming to improve seed viability and vigor. Overall, I appreciate this study for its potential impact on both agricultural productivity and environmental sustainability, although I would have liked to see a more comprehensive discussion of the ecological implications of using biogenic silica in various agricultural contexts.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>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.</p>	<p>I believe the abstract could be more comprehensive. Briefly mention the challenges of seed storage in developing countries to emphasize the significance of the study. Include a short description of the methodology used, such as the specific seed quality parameters assessed. Highlight not just the highest germination percentage but also summarize the effects on other parameters like root length, shoot length, and dry matter production. Conclude with a statement on the broader implications of the findings for agricultural practices and sustainability.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>I find this manuscript to be scientifically robust and technically sound based on the information provided. The methodology appears well-structured, with clear treatment comparisons and appropriate parameters for assessing seed quality. However, a detailed discussion of the statistical parameters used in the study is necessary in the Materials and Methods section to enhance transparency and reproducibility. Additionally, the inclusion of other germination metrics, such as Mean Germination Time (MGT), Germination Index (GI), and Mean Daily Germination, would provide a more comprehensive understanding of seed performance. Finally, a more thorough explanation of vigor indices and their practical applications would strengthen the manuscript's contribution to the field.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes</p>	

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Minor REVISION comments	Yes	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments		

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>	

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