

Review Form 3

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_130605
Title of the Manuscript:	Effect of storage time of Phaseolus lunatus (L.) seeds on germination and morphological traits
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 issue in food security by studying the impact of seed storage on germination and morphological traits of Phaseolus lunatus. The findings contribute to sustainable agricultural practices by optimizing seed management, offering solutions for prolonged storage, and identifying morphotypes with superior storage tolerance. It provides valuable insights for breeding programs and practical recommendations to enhance crop productivity in developing countries.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title is suitable and accurately reflects the content and focus of the manuscript. It is concise, informative, and highlights the core research on seed storage and germination.	
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 comprehensive but could benefit from minor refinements for clarity. Suggestion: Specify how the findings contribute to practical applications, particularly for farmers or seed bank managers, and briefly highlight the implications for breeding programs.	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically correct. It uses appropriate methods, such as randomized block design and statistical analysis, to evaluate seed storage and morphotype performance. However, the discussion could elaborate more on the biochemical mechanisms underlying seed deterioration.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are mostly sufficient and relevant. However, additional recent studies (2018–2023) on seed aging mechanisms and storage innovations could strengthen the discussion. Suggestion: Include more contemporary references on storage methods and genetic resilience in legumes.	
Is the language/English quality of the article suitable for scholarly communications?	The language is generally clear and suitable for scholarly communication, but there are occasional grammatical errors and awkward phrasings.	
Optional/General comments	It is recommended to include recent references (within the last 5 years) relevant to seed storage to strengthen the manuscript. While the methods and data are well-presented, expanding sections such as the discussion on practical applications of the findings could enhance both the scientific depth and practical impact of this paper.	

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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Reviewer Details:

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