

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_123665
Title of the Manuscript:	ARTIFICIAL SEED BIOASSAY FOR ASSESSING PIGEONPEA GENOTYPIC RESISTANCE TO <i>Callosobruchus chinensis</i>
Type of the Article	Original Research Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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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)
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.	Conventional breeding methods for developing resistant cultivars have traditionally focused on broad resistance traits. However, these approaches often lack specificity and may prove ineffective against particular pests, such as bruchids. This highlights the necessity for more focused research and advanced techniques to create pigeonpea varieties with strong, targeted resistance, ensuring the long-term sustainability and productivity of this vital 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.	Abstract is comprehensive and informative	
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.	Identifying the mechanisms of insect resistance in pests is very important to develop the breeding strategy which result in resistant cultivars otherwise a cheap source of resistance breeding. In this regard the present investigation which is an initiative to understand the mechanism of resistance is very important for the scientific community based on which further investigations can be planned accordingly	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Sufficient literature is cited in the manuscript. But it would be good if few recent publications are cited	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	The manuscript is well-structured with clear headings. The language is simple and easy to understand, effectively conveying all the necessary information. The adapted methodology is quite apt for the work. Including a few photographs depicting the oviposition of adult flies on different pigeonpea genotypes (AS) would add value to the manuscript. The results and discussion are informative, but citing some recent publications could further enhance their depth and relevance.	

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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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