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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_140784** |
| Title of the Manuscript: | **Seed and Seedling quality coupled with Biochemical Perceptions: Paving the way for improved yield and stress resilience in Mungbean [Vigna radiata (L.) Wilczek]** |
| Type of the Article |  |

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|  | **Reviewer’s comment****Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/herfeedback 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 provides a comprehensive evaluation of seed and seedling quality traits alongside biochemical parameters in diverse mungbean genotypes, offering a valuable contribution to legume crop improvement research. By integrating physiological metrics with biochemical markers such as protein, sugar, and phenol content, the study identifies genotypes with both high yield potential and enhanced stress resilience. These findings are particularly relevant for breeding programs aiming to develop mungbean varieties that are nutritionally superior and resistant to storage pests.** |  |
| **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.** | **yes** |  |
| **Is the manuscript scientifically, correct? Please write here.** | yes |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | yes |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | yes |  |
| **Optional/General** comments |  |  |

**PART 1: Comments**

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| **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?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

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