

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_126575
Title of the Manuscript:	Productivity Enhancement in Blackgram (Vigna mungo L.) Through Foliar Application of Potassium Salt of Active Phosphorus (PSAP)
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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Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The manuscript provides valuable insights into optimizing blackgram yield through different fertilizer sources, concentrations, and nutrient levels. By using a Factorial Randomized Complete Block Design (FRCBD), the study meticulously evaluates the effects of nano-DAP and PSAP fertilizers at various concentrations and nutrient levels, highlighting the superior performance of PSAP and higher concentrations in promoting yield-related traits. This research is important for the scientific community, as it contributes to understanding effective fertilization strategies that can enhance crop productivity, particularly in blackgram. Additionally, the study's findings may be useful for guiding agricultural practices aimed at achieving better yields with optimized fertilizer usage.	I'm very glad to see these positive comments from reviewers Thank you, sir/madam
Is the title of the article suitable? (If not please suggest an alternative title)	yes	Title kept same
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	Thank you, sir/madam
Are subsections and structure of the manuscript appropriate?	yes	Added two new references and made some minor corrections
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.	This manuscript appears scientifically robust and technically sound due to its systematic experimental design, the use of a Factorial Randomized Complete Block Design (FRCBD), which is well-suited for assessing the interaction effects of multiple factors such as fertilizer source, concentration, and nutrient levels on blackgram yield. The replication of treatments enhances the reliability of the results by allowing for statistical validation and reducing potential biases. The study's inclusion of a control (KAU POP) provides a baseline for comparison, which strengthens the interpretation of the treatment effects. Overall, the methodology is carefully structured to produce credible and interpretable results, making the findings valuable for both scientific and agricultural applications.	I very thankful for valuable reviewers' comments
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	I suggest adding these manuscripts for the improvement of the paper: https://link.springer.com/article/10.1007/s00500-024-10234-y , https://link.springer.com/article/10.1007/s10531-024-02783-3 , https://onlinelibrary.wiley.com/doi/abs/10.1002/ldr.4872	1. Landscape aesthetic quality assessment of forest lands: an application of machine learning approach 2. Predicting the anthropogenic impacts on vegetation diversity of protected rangelands: an application of artificial intelligence 3. Environmental decision support system development for natural

Review Form 3

		distribution prediction of <i>Festuca ovina</i> in restoration of degraded lands I found these refered articles are based on landscape and use of AI Tools
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	yes	Thank you for valuable reviewer's comments Only some minor corrections made and highlighted in original article
Optional/General comments		

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)	Corrections has made according to reviewer's comments Thank you, sir/madam,