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	

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.	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.	
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**	
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.	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.	
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**	

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Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	yes	
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)*	

Reviewer Details:

Name:	**Maryam Saffariha**
Department, University & Country	**UC, USA**