

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_122511
Title of the Manuscript:	“ Effect of seed priming on seed quality attributes in chickpea (Cicer arietinum L.)”
Type of the Article	Research article

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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.	This article is considered important and is one of the latest topics in scientific research into the technique of seed priming and the use of bio-stimulants to improve the growth of plant crops.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title must be improved and made more precise: The author must accurately describe the type of priming and the effects on germination, growth parameters and seed yield	
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 must be completely changed. In abstract, we have to emphasise the most important results, for example the first 7 lines belong to material and methods not abstract. The abstract contained too many linguistic problems and incomprehensible sentences. For example, this sentence: "Days to 50% flowering" line 9	
Are subsections and structure of the manuscript appropriate?	The sections and structure of the manuscript need to be revised. For example, figures 1 and 2 were in the conclusion section instead of Results and discussion section. The layout of the manuscript doesn't correspond to the journal's instructions: The subsections should be numbered (Materials and Methods and Results and discussion).	
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.	The manuscript must be thoroughly revised: The title needs to be revised. The abstract must be completely changed Many details are missing in the material and methods: Methods and solvents used in the leaf extract with references. Definitions and formulas for various growth parameters with references. Scientific names of the plants used as bio stimulants. Results and discussion section: The section contained numerous linguistic problems. Incomplete titles for tables Non-identification of the abbreviations used. Conclusion section: need a deep revision: Figures should be removed (same results presented in tables)	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	The number of references is not sufficient (only 8 references). Material and methos section need references of used methods and formulas. References should be updated. There are several recent studies on seed priming of chickpea (with bio-stimulants). Some suggested references: 1. Gómez, E., Alonso, A., Sánchez, J., Muñoz, P., Marín, J., Mostaza-Colado, D., & Mauri, P. V. (2024). Application of Biostimulant in Seeds and Soil on Three Chickpea Varieties: Impacts on Germination, Vegetative Development, and Bacterial Facilitation of Nitrogen and Phosphorus. <i>Life</i> , 14(1), 148. 2. Gabilondo, R., Sánchez, J., Muñoz, P., Montero-Muñoz, I., Mauri, P. V., Marín, J., & Mostaza-Colado, D. (2023). Evaluation of Biostimulatory Activity of Commercial Formulations on Three Varieties of Chickpea. <i>Agriculture</i> , 13(2), 474. 3. Praveen, G., Bara, B. M., Lal, G. M., & Pal, A. K. (2022). Response of Different Pre-Sowing	

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	<p>Seed Treatments with Biofertilizers, Biostimulants and Botanicals on Growth, Yield and Yield Attributing Traits in Chickpea (<i>Cicer arietinum</i> L.) var. Desi Himmat. International Journal of Plant & Soil Science, 34(19), 273-279.</p> <p>4. Sadoyan, R. R., Martirosyan, H. S., Avetisyan, A. S., & Suvaryan, L. G. (2023). The effect of natural biostimulants on a productivity of different varieties of chickpea. In E3S Web of Conferences (Vol. 460, p. 01007). EDP Sciences.</p> <p>5. Sahu, A., Baghel, D., Singh, A. K., Chowdhury, T., & Soni, R. (2023). Effect of Bio-Stimulant (Plant Probiotics) on Growth, Yield and Microbial Activity of Chickpea (<i>Cicer arietinum</i> L.) Grown in Vertisol of Chhattisgarh. <i>Current Journal of Applied Science and Technology</i>, 42(47), 128-135.</p>	
Minor REVISION comments		
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The manuscript needs a linguistic revision to be suitable for scholarly communication: first sentence in abstract: ambiguous sentence line 12 in abstract: ambiguous sentence Line 29: incomplete sentence</p>	
Optional/General comments		
	You find several comments on manuscript	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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