

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_122323
Title of the Manuscript:	Effect of NPKS and foliar application of nano-fertilizer on the performance of Indian mustard (<i>Brassica juncea</i> L.) under mid hill region of Himachal Pradesh
Type of the Article	Research Article

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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.	This manuscript is important as it explores the benefits of nano-fertilizers and bio stimulants in boosting mustard growth and yield. It provides practical insights into innovative agricultural practices that could enhance productivity and sustainability. The thorough analysis and clear results make it a valuable resource for advancing crop management techniques.	
Is the title of the article suitable? (If not please suggest an alternative title)	Title is suitable and alternative title can be "Enhancing Mustard Growth and Yield: Evaluating the Impact of Nano-Fertilizers and Biostimulants."	
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.	<p>There is nothing to delete but however there are suggestions for Improvement:</p> <ol style="list-style-type: none"> 1. Include the Purpose: Ensure that the abstract explicitly states the aim of evaluating the effects of nano-fertilizers and biostimulants on mustard growth and yield. 2. Methodology Overview: Briefly mention the experimental setup, such as the types of nano-fertilizers and biostimulants used, and the duration of the study. 3. Results Summary: Add specific results or key findings to give readers an idea of the impact of the treatments. 4. Conclusion: Include a sentence on the broader implications of the findings, such as potential applications or benefits for agriculture. 	
Are subsections and structure of the manuscript appropriate?	Yes they are appropriate	
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 demonstrates scientific accuracy through its detailed methodology and robust data analysis. The authors employ well-recognized techniques and rigorous statistical methods, which strengthens the validity of their results. The study's careful design and adherence to scientific standards further support its credibility. Overall, the thorough approach and attention to detail highlight the manuscript's solid foundation and its valuable contribution to the field.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are relevant and mostly recent. Adding a few additional recent studies could strengthen the manuscript's background and context	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes it is</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1. Abstract lacks specific details on the results and their implications. Include clear results and their significance in the abstract. 2. including additional keywords that reflect the main themes of the research for better indexing and searchability. 3. In introduction section, include more recent studies to contextualize your work and highlight the significance of the study. 4. Manuscript doesn't adequately highlight why this study is necessary. Clearly articulate the gap in existing research that your study aims to fill. 5. Clearly state the study objectives and hypotheses 6. Justify the choice of Randomized Block Design (RBD). Provide a rationale for why this design was selected and how it suits the study's objectives. 7. Provide specific detailed information on the treatments applied, such as the concentration of fertilizers, method of application, and timing 8. Expand on the soil analysis methods. Describe how soil properties were measured, including the equipment and techniques used, to ensure reproducibility. 9. The statistical methods used for data analysis need further explanation. Detail the specific tests performed, and ensure that they are appropriate for the data type and study objectives. 10. Report statistical significance clearly. 11. Specify the number of replicates 12. Clearly report the statistical significance of the results. Indicate the p-values or confidence intervals where applicable to support the findings. 13. Provide a more detailed interpretation of the results. Discuss how the findings align with or differ from previous studies, and what the implications are. 14. Expand the discussion on the interpretation of the results. How do the findings address the research questions or hypotheses? Provide a deeper analysis of the implications of your results. 15. Elaborate on the practical and theoretical implications of your findings. How do they contribute to the field, and what recommendations can be made based on your results? 	

PART 2:

	<p>Reviewer's comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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<p>Department, University & Country</p>	<p>Himalayan College of Agricultural Sciences & Technology, Nepal</p>