

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_129147
Title of the Manuscript:	Nutrient management through inorganic fertilizers and bio-stimulants in mustard (<i>Brassica juncea</i> L.)
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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PART 1: 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. A minimum of 3-4 sentences may be required for this part.	The manuscript on nutrient management through inorganic fertilizers and bio-stimulants in mustard (<i>Brassica juncea</i> L.) is significant for the scientific community as it addresses the critical issue of optimizing agricultural practices to enhance crop yield and quality. By exploring the synergistic effects of inorganic fertilizers and bio-stimulants, the study contributes valuable insights into sustainable agricultural practices that can improve productivity while minimizing environmental impacts. Furthermore, the findings may inform future research directions and practical applications in crop management, particularly in regions where mustard is a staple crop. This work underscores the importance of integrated nutrient management strategies in achieving food security and sustainable farming.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Nutrient Management through Inorganic Fertilizers and Bio-stimulants in Mustard (<i>Brassica juncea</i> L.)" is suitable as it conveys the focus of the study on nutrient management strategies specific to mustard cultivation. However, an alternative title could be: "Enhancing Mustard Yield: The Role of Inorganic Fertilizers and Bio-stimulants in Nutrient Management." This title emphasizes the goal of improving yield, which may attract more interest.	
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 provides a comprehensive overview of the study's aims, design, methodology, results, and conclusions. However, it could benefit from a few enhancements: <ul style="list-style-type: none"> • Addition of Specific Results: Specific quantitative results (e.g., percentage increases in yield or growth parameters) would strengthen the findings' impact. • Clarification of Bio-stimulant Effects: Elaborating on how each bio-stimulant specifically influenced growth and yield could provide clearer insights into their comparative effectiveness. • Contextual Background: A brief mention of the significance of mustard as a crop or previous research findings related to nutrient management could provide context for the study's relevance. Overall, these adjustments would enhance the clarity and depth of the abstract while maintaining its focus on key findings.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically correct, presenting a well-structured study on the effects of inorganic fertilizers and bio-stimulants on mustard (<i>Brassica juncea</i> L.). The methodology is clearly defined, and appropriate statistical analyses support the results. The findings align with existing literature, indicating that the study contributes valuable insights into nutrient management for mustard cultivation.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references cited in the manuscript seem to be relevant; however, it is crucial to assess their relevance and comprehensiveness. While some references date back several years, including more recent studies could enhance the manuscript's credibility. Suggested additional references could include: <ul style="list-style-type: none"> • Recent reviews or studies on bio-stimulants in crop production from reputable journals. • Current research articles focusing on nutrient management strategies in oilseed crops. • Studies that explore the economic impacts of fertilizer use and bio-stimulants in agriculture. Language and Quality The language quality of the manuscript is generally suitable for scholarly communication, but there are areas where clarity and	

Review Form 3

	precision could be improved. Some sentences are lengthy and complex, which may hinder comprehension. Simplifying these sentences and ensuring consistent terminology will enhance readability. Additionally, careful proofreading for grammatical errors and adherence to scientific writing conventions will further elevate the manuscript's quality.	
Is the language/English quality of the article suitable for scholarly communications?	<p>Strengths:</p> <ul style="list-style-type: none"> • Technical Terminology: Effectively uses technical terms related to agronomy and plant physiology. • Structured Format: Follows a logical structure with clear sections for introduction, materials and methods, results, and conclusions. <p>Areas for Improvement:</p> <ul style="list-style-type: none"> • Clarity and Conciseness: Some sentences are lengthy and complex; breaking them down would enhance clarity. • Grammar and Syntax: Grammatical errors and awkward phrasing need correction, including consistent use of plurals and singular forms. • Repetitive Phrasing: Certain ideas are repeated unnecessarily; streamlining these sections would improve readability. • Punctuation and Formatting: Attention to punctuation, especially in lists and references, is necessary to maintain professional standards. <p>Recommendations:</p> <ul style="list-style-type: none"> • Conduct thorough proofreading to correct grammatical errors and improve sentence structure. • Simplify complex ideas into clearer statements for better understanding. • Ensure consistency in terminology and formatting throughout the manuscript. <p>Overall, addressing these language issues will significantly improve the manuscript's quality and effectiveness in conveying research findings.</p>	
Optional/General comments	Overall, the manuscript presents a valuable contribution to agricultural science, particularly in the context of mustard cultivation in India. The integration of bio-stimulants with traditional fertilizer practices is a timely topic that aligns with sustainable agriculture goals. Addressing the suggestions regarding references and language will strengthen its impact within the scientific community.	

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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