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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_140190** |
| Title of the Manuscript:  | **IMPACTS OF ORGANIC MANURES AND BIOFERTILIZERS ON YIELD AND ECONOMICS ANALYSIS OF BROCCOLI (Brassica oleracea var. italica) IN REGION KHIALA, PUNJAB** |
| Type of the Article |  |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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. A minimum of 3-4 sentences may be required for this part.** | This manuscript addresses a highly relevant topic for sustainable agriculture: the combined application of organic manures and biofertilizers in broccoli cultivation. With increasing global emphasis on reducing chemical inputs, this work contributes to the understanding of alternative nutrient management strategies. The experimental design, comparative yield performance, and economic analysis make this study significant for both researchers and farmers. Moreover, the manuscript promotes eco-friendly practices and aligns with current research in agroecology and climate-resilient farming. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is generally clear and appropriate. However, it can be made more concise and grammatically correct.**Suggested alternative title:**“Effects of Organic Manures and Biofertilizers on Yield and Economic Performance of Broccoli (Brassica oleracea var. italica) in Khiala Region, Punjab” |  |
| 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 good overview of the objectives, methodology, key results, and conclusions. However, it could be improved by:* **Avoiding repetition** of the full title at the beginning.
* **Clarifying the conclusion**: the last sentence is vague and lacks a verb.
* **Improving structure**: use more defined segments such as Objective, Method, Results, and Conclusion.

**Suggested edits:*** Remove: “The research experiment was conducted under the title…”
* Rewrite the conclusion: “The combination of organic manures and biofertilizers significantly enhanced broccoli yield and economic returns, with Treatment T6 (Vermicompost + Biofertilizers) performing best across parameters.”
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| Is the manuscript scientifically, correct? Please write here. | Yes, overall the manuscript is scientifically valid and presents statistically analyzed data using proper experimental design (RBD with 3 replications). The discussion is well-supported with relevant references. However, the following points require attention:* **Units** should be standardized (e.g., “t/hac” → “t/ha”).
* **More precise language** is needed to avoid redundancy and ambiguity.
* **Figures** and **tables** are appropriate but can be better formatted (e.g., captions and axis titles should follow journal guidelines).
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The manuscript contains a good number of references, including recent studies up to 2023. However:* Some references are redundant (Ekta et al., 2017 appears twice).
* At least two or three **high-impact, international journal articles** could be included to increase the scientific weight.

**Suggested additions:**1. Bhardwaj, A. K., & Yadav, S. K. (2021). Role of organic and bio-fertilizers in vegetable crop production: a review. *Journal of Plant Nutrition*, 44(12), 1791–1803. <https://doi.org/10.1080/01904167.2021.1882934>
2. Diacono, M., & Montemurro, F. (2010). Long-term effects of organic amendments on soil fertility. *A review*. Agronomy for Sustainable Development, 30(2), 401–422.
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| Is the language/English quality of the article suitable for scholarly communications? | The manuscript needs **moderate to major language editing** to meet scholarly standards. Issues identified:* Several **grammar mistakes**, such as subject-verb agreement and sentence structure.
* **Redundancy** and excessive wordiness.
* Inconsistent spelling and formatting (e.g., “biofertilizers use” → “use of biofertilizers”).

**Example edit:**“The application of organic manures and biofertilizers use…” Should be: “The application of organic manures and biofertilizers significantly influenced…”A professional English language review is strongly recommended before publication. |  |
| Optional/General comments | * **Strengths:**
	+ Relevant and timely topic in sustainable agriculture.
	+ Solid experimental design (RBD with replication).
	+ Comprehensive data analysis including economic evaluation.
	+ Good use of supporting literature (including recent sources).
* **Weaknesses:**
	+ English language and grammar require moderate to major revision.
	+ Abstract needs restructuring and clarity.
	+ Title can be improved for clarity and grammar.
	+ Some formatting inconsistencies (units, tables, figures).

The manuscript presents valuable scientific insights, but it requires substantial improvement in language quality and structure before being suitable for publication. |  |

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| **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:**

**Érico de Sá Petit Lobão, Brazil**