

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_122441
Title of the Manuscript:	“Effect of organic manure on growth, yield and quality of strawberry (<i>Fragaria xananassa</i> Duch.) under agro-climatic condition in shade net house.”
Type of the Article	Original 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 holds significant value for the scientific community as it addresses the impact of organic manure on the growth, yield, and quality of strawberries, particularly under the controlled conditions of a shade net house. By focusing on organic practices, it contributes to the growing body of research aimed at sustainable agriculture and reducing the dependency on chemical fertilizers. The study's findings are particularly relevant for regions with similar agro-climatic conditions, offering practical insights for optimizing strawberry cultivation. I appreciate the manuscript's emphasis on eco-friendly practices and its potential to enhance the sustainability of strawberry production systems.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the article is generally clear and informative, but it could be refined for better clarity and impact. The phrase "under agro-climatic condition" is somewhat vague and could be made more specific. Additionally, "shade net house" could be better phrased to indicate the controlled environment. A revised title could be: "Impact of Organic Manure on Growth, Yield, and Quality of Strawberry (<i>Fragaria x ananassa</i> Duch.) Cultivated in a Shade Net House under Specific Agro-Climatic Conditions" This version maintains the key elements while enhancing clarity and precision.	

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<p>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>	<p>The abstract provides a comprehensive overview of the study, covering the experimental setup, treatments, key findings, and conclusions. However, a few revisions could enhance its clarity and effectiveness:</p> <ol style="list-style-type: none"> Structure and Clarity: The abstract could benefit from being broken into more distinct sections, such as Background, Methodology, Results, and Conclusion. This would improve readability and help emphasize the key points. Simplification of Treatment Details: The detailed listing of treatments (T0 to T8) could be summarized to avoid overwhelming the reader. A brief mention of the most effective treatments with specific highlights on T8 would suffice, with detailed information kept for the main text. Key Findings: While the results are mentioned, emphasizing the significance of these findings (e.g., why the increase in plant height, fruit weight, etc., is important) could add more value. Consider adding a sentence or two on the implications of these results for sustainable agriculture. Conclusion: The conclusion should summarize the broader impact of the findings, such as potential applications in different agro-climatic regions or implications for organic farming practices. <p>Suggested Abstract:</p> <p>"The present study evaluated the effect of various organic manure treatments on the growth, yield, and quality of strawberry (<i>Fragaria x ananassa</i> Duch.) under the agro-climatic conditions of Prayagraj in a shade net house. Conducted at the horticulture experiment field of SHUATS, Prayagraj during 2023-2024, the study assessed treatments including FYM, poultry manure, vermicompost, and cocopeat in different combinations. Among the treatments, the combination of 25% FYM, 25% poultry manure, 25% cocopeat, and 25% vermicompost (T8) resulted in the highest plant height, plant spread, number of leaves, fruit weight, and yield (331.32 g/plant), along with the best quality parameters (TSS 8.16°Brix, acidity 0.55%). The benefit-cost ratio was also highest in T8 (3.50). These findings suggest that the optimal combination of organic manures can significantly enhance strawberry production under similar conditions, promoting sustainable agriculture."</p> <p>This version streamlines the information, making it easier for readers to grasp the study's scope and significance.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript is well-written and presents the research findings clearly and concisely. However, to enhance the quality and ensure consistency with the journal's standards, I recommend the following improvements:</p> <ol style="list-style-type: none"> Please review the journal's author guidelines and ensure that the manuscript's structure, section headings, and content organization align with the required format. This includes the proper sequencing of sections, such as Introduction, Materials and Methods, Results, Discussion, and Conclusion. Ensure that subsection titles reflect the journal's recommended terminology and that all required sections are included. For example, the Methods section should comprehensively describe the experimental procedures with enough detail to allow reproducibility. Verify that each section adheres to any length constraints or content requirements specified by the journal. This includes concise writing in the Abstract and Conclusion, as well as thorough but focused discussions of the results. Ensure that all figures and tables are formatted according to the journal's guidelines, with appropriate captions, numbering, and references within the text. <p>Making these adjustments will help align the manuscript more closely with the journal's expectations, thereby enhancing its overall presentation and readability.</p>	

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<p>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.</p>	<p>This manuscript is scientifically robust and technically sound for several reasons. First, it employs a well-structured experimental design (Randomized Block Design with three replications), ensuring the reliability and reproducibility of the results. Second, the study includes a comprehensive range of treatments, which allows for a thorough evaluation of the effects of various organic manures on strawberry growth, yield, and quality. Additionally, the manuscript presents detailed statistical analyses, demonstrating significant differences among treatments, which strengthens the credibility of the findings. Lastly, the study is grounded in existing literature, with appropriate citations to previous research that supports the observed outcomes, adding to the scientific validity of the conclusions.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =</p>	<p>The references you've provided span from 1988 to 2021, with a mix of foundational studies and more recent research. While many of the references are well-cited and relevant to organic farming, vermicomposting, and strawberry cultivation, a few may be considered outdated, especially those from the 1980s and early 2000s. Here are some observations and suggestions:</p> <p>Strengths:</p> <ol style="list-style-type: none"> Diverse Range of Topics: The references cover various aspects such as organic farming, vermicomposting, biofertilizers, and nutrient management in strawberry cultivation. Foundational Studies: Early references like Albanell et al. (1988) and Edwards & Burrows (1988) provide a solid foundation in the understanding of vermicomposting and organic matter in agriculture. Recent Studies: Negi et al. (2021) and other recent references are important for showing the current trends and advancements in the field. <p>Areas for Improvement:</p> <ol style="list-style-type: none"> Inclusion of More Recent Studies: There could be more recent studies included to strengthen the relevance of your literature. Research from the last 5-7 years, especially post-2020, might provide insights into the latest trends and technological advancements in strawberry cultivation, organic farming, and the use of biofertilizers. Global Perspectives: Adding references from different geographical locations could provide a broader perspective on how organic practices and biofertilizers are being adopted and studied globally. This could enhance the robustness of your literature review. <p>Suggested Additional References:</p> <p>Recent Developments in Organic Strawberry Farming: To add more recent studies in organic strawberry cultivation:</p> <p>Pérez-López, D., Miranda, L., & Serrano, A. (2022). Advances in Organic Strawberry Production: A Focus on Soil Health, Nutrient Management, and Crop Yield. Organic Agriculture.</p> <p>Pathak, D. V., & Mishra, R. K. (2020). Impact of Organic Fertilizers on the Growth and Yield of Strawberry Cultivation. International Journal of Horticultural Science and Technology, 7(4), 301-308.</p> <p>Final Assessment:</p> <p>The current references are solid, but to ensure your literature review is both comprehensive and up-to-date, it may be beneficial to include more recent studies, particularly those from the last 5 years, and to incorporate global perspectives on the subject matter. This will not only strengthen your thesis but also provide a more current understanding of the trends and challenges in organic and nano-nutrient-based strawberry cultivation.</p>	

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Minor REVISION comments

Is the language/English quality of the article suitable for scholarly communications?

The language and English quality of the article are generally suitable for scholarly communication, but there are some areas that require improvement for clarity, consistency, and correctness. Below are some suggested revisions:

Abstract:

1. Article Title:

Current: "Effect of organic manure on growth, yield and quality of strawberry (Fragaria xananassa Duch.) under agro-climatic condition in shade net house."

Revised: "Effect of Organic Manure on Growth, Yield, and Quality of Strawberry (Fragaria x ananassa Duch.) under Agro-Climatic Conditions in a Shade Net House"

2. General:

Make sure to consistently use proper spacing after periods, and ensure that abbreviations and units are clearly defined on their first use (e.g., "T.S.S (°Brix)" should be "TSS (°Brix)" with consistent use thereafter).

3. Structure:

Improve sentence structure for clarity and readability. For example:

Current: "The present study entitled 'Effect of organic manure on growth, yield and quality of strawberry (Fragaria x ananassa Duch.) under Prayagraj agro-climatic condition in shade net house' was carried out at the experiment field of the department of horticulture, Allahabad school of agriculture, SHUATS, Prayagraj during the year 2023-2024."

Revised: "This study, titled 'Effect of Organic Manure on Growth, Yield, and Quality of Strawberry (Fragaria x ananassa Duch.) under Prayagraj Agro-Climatic Conditions in a Shade Net House,' was conducted during the 2023-2024 season at the experimental field of the Department of Horticulture, Allahabad School of Agriculture, SHUATS, Prayagraj."

4. Treatment Details:

Break down complex treatment descriptions into simpler sentences or bullet points for clarity.

Ensure consistency in abbreviations and units. For example, use "t/ha" consistently without punctuation errors.

Introduction:

1. Redundancy:

Eliminate repetitive statements. For example, the sentence "Strawberries are a good source of natural antioxidants" is repeated and should be mentioned once with proper elaboration.

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	<p>2. Flow and Clarity:</p> <p>Improve the logical flow of information. Ensure that each sentence naturally leads to the next, providing a clear narrative. For example:</p> <p>Current: "Strawberries are good source of natural anti-oxidant. In India, it is mainly grown in Maharashtra and in hills of Himachal Pradesh, J&K, Uttarakhand, Uttar Pradesh and Haryana."</p> <p>Revised: "Strawberries are a rich source of natural antioxidants. In India, they are primarily cultivated in Maharashtra, as well as in the hilly regions of Himachal Pradesh, Jammu and Kashmir, Uttarakhand, Uttar Pradesh, and Haryana."</p> <p>3. Scientific Consistency:</p> <p>Ensure consistency in the use of scientific names and terms, such as "Fragaria x ananassa Duch."</p> <p>Materials and Methods:</p> <p>1. Clarity in Design:</p> <p>Clarify the experimental design, making it easy for the reader to understand. For example:</p> <p>Current: "The experiment will be laid out in Randomized Block Design (RBD) with three replications."</p> <p>Revised: "The experiment was laid out in a Randomized Block Design (RBD) with three replications."</p> <p>2. Consistency in Descriptions:</p> <p>Ensure consistency in the description of treatments and measurements. Use the same format when describing different treatments or parameters.</p> <p>Results and Discussion:</p> <p>1. Data Presentation:</p> <p>Ensure that data is presented clearly, with all tables and figures referenced appropriately in the text.</p> <p>2. Comparative Statements:</p> <p>Clearly compare the results with previous studies. Avoid vague statements like "Similar results have been reported by..." without proper explanation or context.</p> <p>3. Clarity in Results:</p> <p>Improve the clarity of result descriptions, ensuring that the statistical significance and practical relevance of findings are easily understood.</p> <p>Conclusion:</p>	
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	<p>1. Summary of Key Findings:</p> <p>Summarize the key findings succinctly and ensure that the conclusion aligns with the results discussed.</p> <p>2. Practical Implications:</p> <p>Include a brief statement on the practical implications of the findings, such as recommendations for strawberry growers.</p> <p>References:</p> <p>1. Consistency and Formatting:</p> <p>Ensure that all references are formatted consistently according to the journal's guidelines.</p> <p>2. Up-to-Date References:</p> <p>Where possible, include recent studies to support the findings and discussion.</p> <p>Overall:</p> <ul style="list-style-type: none"> • Proofread the entire document to correct minor grammatical errors, improve sentence structure, and ensure the text is clear and concise. 	
<p>Optional/General comments</p>	<p>Potential Improvements:</p> <ul style="list-style-type: none"> • Discussion: Adding a more detailed discussion on how each component of the treatment contributes to the observed results could provide deeper insights. • Limitations and Future Research: Including a section on the limitations of the study and suggestions for future research could strengthen the paper. 	

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)
<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:

<p>Name:</p>	<p>Lakhwinder Singh</p>
<p>Department, University & Country</p>	<p>Lovely Professional University, India</p>