Review Form 3

Journal Name:	**International Journal of Biochemistry Research & Review**
Manuscript Number:	**Ms_IJBCRR_122792**
Title of the Manuscript:	**Comparative Analysis of Ethanol and Methanol Extraction of Flavonoids and Phenolics from different variety of Moringa Oleifera Leaves**
Type of the 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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Review Form 3

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.	**Your manuscript provides a solid comparative analysis of the extraction of phenolics and flavonoids from different varieties of Moringa oleifera using ethanol and methanol as solvents. The study is well-structured and presents the findings clearly. However, there are a few areas where improvements can be made, particularly in enhancing clarity, conciseness, and scientific rigor. Below are some detailed suggestions for each section of your manuscript. Title: Current: Comparative Analysis of Ethanol and Methanol Extraction of Flavonoids and Phenolics from different variety of Moringa Oleifera Leaves Suggested Revision: Comparative Efficiency of Ethanol and Methanol for Extracting Flavonoids and Phenolics from Different Varieties of Moringa Oleifera Leaves Rationale: This title is more concise and directly highlights the main focus of the study, emphasizing the comparison of extraction efficiency. Abstract: Clarity and Conciseness: The abstract is informative but could benefit from being more concise. Consider reducing redundancy and focusing on the most critical findings. Statistical Data: The abstract provides specific numerical results, which is good, but it might be better to generalize the findings slightly to avoid overwhelming the reader with numbers. Instead, emphasize the overall trends and significance of the findings. Conclusion: The conclusion of the abstract should be stronger, indicating the potential implications of the study for further research or industrial applications.**	
Is the title of the article suitable? (If not please suggest an alternative title)	**Introduction: Flow and Structure: The introduction covers relevant background information but could be more streamlined. You may want to organize it into distinct paragraphs, each focusing on a specific aspect—nutritional value, medicinal properties, and the gap in the literature regarding solvent efficiency. Literature Review: While the introduction references various studies, ensure that these references are directly linked to the objective of your study. Discussing the gaps in the current research more explicitly will better justify the need for your study. Materials and Methods: Clarity: The methods section is generally clear, but consider breaking it down into smaller subsections with more descriptive headers (e.g., "Sample Preparation," "Chemical Reagents," "Extraction Process," "Statistical Analysis"). Details: Ensure all equipment and materials used are described with adequate detail,**	

	including the manufacturer and location (as you have done with some items). This will enhance reproducibility.	
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.	Statistical Methods: You mention the use of t-tests and various plots; however, it would be helpful to briefly describe the rationale behind choosing these statistical methods and how they contribute to the study's conclusions. Results: Visuals: The manuscript mentions various figures (e.g., bar charts, scatter plots, box plots), but it is essential to ensure these visuals are well-labeled and accompanied by detailed figure legends. The descriptions should clearly explain what each figure shows and how it supports your findings. Data Interpretation: When discussing the results, focus on interpreting what the data mean rather than just presenting the numbers. Discuss how the results align or contrast with existing literature. Significance: Highlight the significance of the observed differences in extraction efficiency between methanol and ethanol, even if the differences are not statistically significant. Discussion and Conclusion: Link to Hypothesis: Relate your findings back to the original research question and hypothesis. Discuss how the results confirm or challenge existing knowledge. Future Research: Suggest specific areas for future research based on your findings, such as exploring other solvents, different Moringa varieties, or alternative extraction methods. Practical Implications: Discuss the practical implications of your study for industrial applications, such as optimizing extraction processes for higher yield and quality of bioactive compounds. References: Accuracy: Ensure all references are correctly formatted according to the journal's guidelines and that they accurately reflect the sources you have cited in the text. Relevance: Double-check that all cited studies are directly relevant to your research and contribute to the argument you are building.	
Are subsections and structure of the manuscript appropriate?	Specific Comments on Writing Style: Consistency: Ensure consistency in the use of terms, such as whether you capitalize Moringa consistently throughout the manuscript. Scientific Language: Use precise scientific language, avoiding overly complex sentences where simpler ones will do. This will make your manuscript more accessible to a broader audience. Grammar and Syntax: Review the manuscript for any grammatical errors or awkward phrasing that might distract the reader. Summary: Your manuscript is well-composed and covers a significant topic in the field of plant	

Review Form 3

	extraction and phytochemistry. With some revisions for clarity, conciseness, and emphasis on the significance of the findings, your study will be more impactful and accessible to the scientific community.	
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.	**Strengths:** **1. Comprehensive Analysis: The study presents a detailed comparison of ethanol and methanol extraction methods, providing valuable insights into the phenolic and flavonoid content of different Moringa oleifera varieties.** **2. Statistical Validation: The use of statistical tools like t-tests and correlation analysis adds robustness to the findings.** **3. Relevance: The research is relevant to both the scientific community and industries involved in phytochemical extraction, offering practical applications.** **Weaknesses:** **1. Clarity and Organization: Some sections, particularly the Results and Discussion, could benefit from clearer organization and more concise language.** **2. Visual Aids: While the study includes visual aids (e.g., bar charts, box plots), their explanations could be more explicit, ensuring they effectively communicate the results.** **3. Literature Review: The introduction could be strengthened with a more comprehensive review of relevant literature, particularly recent studies that align with the research topic.** **4. Conclusion: The conclusion could be more focused, emphasizing the practical implications of the findings and potential directions for future research.** **Recommendation:** **☐ Minor Revisions: If the weaknesses mentioned can be addressed, the paper is well on its way to acceptance. The revisions should focus on improving clarity, enhancing the visual aids, and strengthening the conclusion.**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**		
Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**		
Optional/General comments		

Review Form 3

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:

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