

Review of: "An Investigation of The Phytochemical Richness of Fresh Musa Paradisiaca L. (Plantain) Stem Juice and Its Anticonvulsant Potential on Pentylenetetrazole (Ptz)-Challenged Rats"

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Potential competing interests: No potential competing interests to declare.

Subject: Comprehensive Review and Recommendations for Document Enhancement

Dear [Authors],

I trust this message finds you well. I have carefully reviewed your manuscript titled "An Investigation of The Phytochemical Richness of Fresh Musa Paradisiaca L. (Plantain) Stem Juice and Its Anticonvulsant Potential on Pentylenetetrazole (Ptz)-Challenged Rats." While your efforts to scientifically validate the traditional claims of the study plant are extremely commendable, I have identified certain areas that merit attention for improvement. As an Associate Professor of Pharmacology at the University of Gondar, I offer the following suggestions to enhance the quality of your document:

Grammar and Flow:

- A thorough revision of the entire document is recommended to ensure clarity, coherence, and grammatical correctness. This includes sentence structure, use of language, and overall flow.

Dose Determination for (Acute Oral Toxicity Test and activity test):

- The methodology for dose determination in the acute oral toxicity test, as per OECD guideline 425, appears arbitrary and lacks scientific justification. I suggest revisiting this aspect and providing a robust rationale for the chosen doses.

Animal Welfare Concerns:

- The use of 18 mice in the acute oral toxicity test exceeds the recommended limit of five animals according to the OECD guideline 425. This not only deviates from established guidelines but also raises ethical concerns. It is advisable to adhere strictly to the recommended protocols to minimize unnecessary suffering to animals.

Result Presentation:

- The presentation of results requires a comprehensive revision. Ensure that the data is presented in a clear and organized manner, facilitating easy understanding for readers.

Discussion Section:

- The discussion should focus on interpreting the results in the context of the presumed secondary metabolites of the study plant. Avoid mere comparisons with other plants that may not share the same chemical race. Provide a thorough analysis based on your findings.

I appreciate the diligence you have demonstrated in your research, and I am confident that addressing these points will significantly enhance the overall quality of your manuscript.

Thank you for considering these suggestions, and I look forward to seeing an improved version of your valuable contribution.

Best regards,

Zewdu Birhanu Wubneh Associate Professor of Pharmacology, University of Gondar.