

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"

Melaku Mekonnen Adidew¹

¹ Debre Tabor University

Potential competing interests: No potential competing interests to declare.

Melaku Mekonnen Agidew (Lecturer of Medical Biochemistry)

Overall Review of the Manuscript Entitled "An Investigation of the Phytochemical Richness of Fresh *Musa Paradisiaca* L. (Plantain) Stem Juice and Its Anticonvulsant Potential on Pentylenetetrazole (Ptz)-Challenged Rats"

Dear Authors,

I read the manuscript thoroughly and found it exciting and well-organized. However, when I tried to review the manuscript, I identified some points deserving attention for improvement. Therefore, I offer the following suggestions under different headings to improve the quality of your work:

Writing of the Manuscript

For me, it is better to conduct an in-depth revision of the whole manuscript with regard to the usage of language for the clarity of your work.

Title

For me, it is better to write the species of the plant in italics like *Musa Paradisiaca* L. (Plantain).

Animal Welfare Concerns:

You included 18 mice to test acute oral toxicity. Based on the OECD guideline 425, this sample exceeds the recommended limit of experimental animals. As much as I know, this will raise an ethical issue.

Background

This part is too vast. When you elongate such parts, you will be moved here and there, and it will lead you to add unnecessary points. For me, it is better to make it brief, specific, and highly linked with the concerned topic.

Discussion

In my point of view, it is better to discuss by interpreting your findings. This might boost the quality and acceptancy rate of the manuscript. Furthermore, there is also an idea containing controversial points while you are using conjunctions connecting different sentences. It would be better to correct it.

Conclusion

As far as I understood, it is necessary to modify the conclusion part by adding the suggestions of the authors regarding the species of the experimental animals. Moreover, there is another idea containing controversial points here like that of the discussion part. It would be better to correct it.

Limitations

Is there a limitations part here in your manuscript? I couldn't find it. I think it necessary to add the limitations part to indicate the limitations of the study and to recommend extra investigations.

To Conclude

The manuscript is very interesting, well organized, and valuable for the scientific world. Therefore, I would like to recommend my positive idea for accepting this manuscript for publication after incorporating different points and correcting some errors given by different reviewers.

Finally, I would like to thank you for considering me to review this manuscript.

With kind regards,

Melaku Mekonnen Agidew (Lecturer of Medical Biochemistry), Debre Tabor University, Debre Tabor, Ethiopia