

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.

The article is very interesting, informative, and well-written. However, the following suggestions could improve the article in a constructive manner:

Sample Size and Replication: While the study design is sound, a larger sample size could strengthen the statistical power of the findings. Additionally, replicating the study with a larger number of animals and in different settings could enhance the robustness of the results.

Mechanistic Insights: While the study establishes the anti-convulsant effects of MP stem juice, further exploration of the underlying mechanisms could strengthen the pharmacological evidence. Investigating how MP stem juice interacts with neural pathways or neurotransmitters involved in seizures would provide valuable insights.

Discussion of Limitations: The study could benefit from a discussion of potential limitations, such as any constraints in the experimental setup or variations in individual rat responses. This would add transparency to the interpretation of results.