

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 study submitted for expert review aims to determine the therapeutic value of the fresh stem juice of *Musa paradisiaca* L. as a potential treatment for epileptic convulsions using a pentylenetetrazole-induced seizure model in rats. The study is carried out with very good methodology, but the chemical methods part lacks precision. Thus, it would be ideal if the different families present could be mapped with the molecules present. Likewise, the method of obtaining the 'juice' cannot be improved or varied in order to provide different samples to be tested.

The biological results are OK, but without identified chemical structures, it is difficult to draw clear scientific conclusions.

The bibliography must also be improved with more recent references in the field.

This article requires major corrections before publication.