

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 object of the study is of interest. However, as it stands, the manuscript is premature.

Most of all, I am in doubt about the statistical analysis. The number of experimental groups is higher than the number of animals used. There is no statistical procedure that gives reliable results for this situation. Second, I worked in the field of experimental epilepsy for many decades. I have never seen such a minimal SEM.

Toxicity was studied in mice, but seizure experiments were conducted in rats. What was the reason for the change?

Some details need more explanation. What is the Method by Harbone, and Trease & Evans? Moreover, most readers are not aware of the regulations of the National Research Council. A brief explanation is essential.

There is no reference to the number of voucher specimens.

Please check the nomenclature!

normal saline - saline What is the difference?

control, normal control, untreated control, standard control

Several experimental details are missing, such as the application volume, the time when the experiments were carried out, whether there was a fastening period, the blind manner, etc.

Some biochemical experiments concerning the mode of action would substantiate the discussion. The discussion requires more focus.