

# 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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The manuscript "An Investigation of The Phytochemical Richness of Fresh Musa Paradisiaca L. (Plantain) Stem Juice and Its

Anticonvulsant Potential on Pentylenetetrazole (Ptz)-

Challenged Rats" by Sabastine Chinweike Ugwuoke, Valentine Odirachukwumma Nwanelo, Yusuf Dawoye, Obiora Celestine Ugwu, Dionysius Obinna Osuji, Martins Obinna Ogugofor, Ikechukwu Jacob Okoro, Chigozie Paul Odo, Treasure Nneka Nelson, Chioma Assumpta Anosike is interesting. I think it is a continuation or extension of another article published by the authors and cited in this manuscript.

I think that the research done by the authors is very serious. This is evident from the literary sources used. Out of a total of 40 from the last 3-5 years, 23 sources are cited, one of which is an auto-citation.

Epilepsy is a severe chronic neurological disorder that causes spontaneous recurrent seizures leading to brief loss of attention, muscle tremors or convulsions resulting in psychosocial stigma that destroys interpersonal relationships between people. For this serious disease, the authors draw attention to the medicinal plant *Musa paradisiaca* L., which can play an important role in human well-being. In my opinion, the good results obtained by the authors in adult male albino rats and the juice of the stem of *Musa paradisiaca* L. at different doses reduced pentylenetetrazole (PTZ)-induced seizures in rats. In my opinion, this could be applied to humans in the future.

The introduction is well written and gives readers a clear idea of the task the authors have set themselves with this study. In my opinion, the Methods and Materials section is well described and should be replicated by any researcher.

The results obtained by the authors are supported by tables and figures respectively. They give a clear idea to the reader. In the discussion part, it is based on the results obtained from this study that the fresh juice of the stems of *Musa paradisiaca* L. can prevent seizure convulsions in pentylenetetrazole (PTZ)-challenged rats.

I think that this manuscript would be of interest to readers. I also think that this manuscript can be accepted for publication.