

# Review of: "Efficacy of *Anogeissus leiocarpus* as a Therapeutic Agent for Some Pathogenic Bacteria"

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**Potential competing interests:** No potential competing interests to declare.

I was happy to review the manuscript entitled « Efficacy of *Anogeissus leiocarpus* as a Therapeutic Agent for Some Pathogenic Bacteria ».

Numerous tests were performed on ethanol and water extracts of *A. leiocarpus* leaves in order to determine the presence/absence and even the content of these extracts in saponins, flavonoids, steroids, alkaloids, terpenoids, tannins, glycosids, phenols, and minerals and proximate concentrations. The study also concerned antibacterial activity and antioxidant properties of the two extracts.

The results show that this plant is of interest for its antibacterial activities and for its protein, mineral, and carbohydrate content.

The discussion is well conducted, even if some of the present results were already known.

I have some remarks. First of all, methods for the determination of lipid, protein, ash, carbohydrate, and fibre contents are not described ; the same goes for mineral contents. Steroid and glycosid contents are shown in the results part, though only qualitative determination was cited in the methods chapter.

Methods for statistical analysis are poorly described and need to be precise : number of tests or samples, which test is concerned for ANOVA...the results are given as mean and SD or median ? LSD is rarely used. Then, the P value must be given in case of significance.

The second remark concerns the Tables. They are difficult to understand because the columns are intermingled, and for example, in Table 2, six results per line are expected, but there are seven, even eight.

References are numerous and need to be checked for their presence in the text.

In conclusion, this manuscript may be published after serious revisions.