

# 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.

Dear authors,

Some corrections need to be made to improve the quality of the manuscript. Please find below some suggestions for corrections:

## ABSTRACT

1. Please reread the document to correct grammatical and spelling mistakes.

Example: In the following sentence, "The phytochemicals screened from the ethanol leaf extract were saponin, flavonoids, steroids, alkaloids, tannins, glycosides and phlobatannins," please write "saponins" in the plural.

1. Please specify on which strain the extract was effective.
2. Specify the methodology used for each test, example: antioxidant activities were carried out using DPPH, FRAP, FRAS...tests.

## Material and methods

1. Bacteria species: please add **collection** to the American-typed cultures (ATCC).
2. Total phenolic content: Please specify that total phenol content was determined spectrophotometrically using the Folin-Ciocalteu colorimetric method.
3. Total flavonoids content: Please specify that total flavonoids content was determined spectrophotometrically using the aluminium chloride colorimetric method.
4. Determination of total alkaloids: **The method described in this article does not correspond to the one described by Devi et al. 2020 for the quantification of total alkaloids, which is the spectrophotometric method based on the reaction between alkaloid and bromocresol green.**
5. Determination of Tannin: the reference is (Elgailani and Ishak 2014) instead of (Elgailani et al., 2014).
6. Steroids determination: the method described here (Satheesh et al., 2012) is for the qualitative analysis.
7. Glycoside determination: the method described here is for the qualitative analysis. Please also add the reference of the quantitative analysis.
8. Antibacterial test of plant extract:

- Please mention the standard drug (positive control) for this assay.
- Please describe the culture medium preparation.
- The extracts must be tested in triplicate to ensure the results obtained are reliable and reproducible.

#### 9- Minimum inhibitory concentration (MIC) determination

- Give the reference (author) of the method.
- Please specify that the MIC is the first tube in the series with the **lowest concentration** with no visible growth after the incubation period.
- Please mention the standard drug (positive control) for this assay.
- Minimum bactericidal concentration (MBC): please specify that after incubation, **the lowest** concentration of the extract that did not produce any bacterial growth on the culture medium was reported as the MBC value for the extract.

What is the meaning of **100 macro litre**? In the sentence: "The tubes were gently shaken/mixed and 100 macro litre of the sample was obtained and poured plated with plate count agar."

10. Ferric Reducing Antioxidant Assay: kindly correct the name Buriciva, write Buricova instead.

#### Results

10. The method for the quantitative determination of terpenoids, lipid, protein, carbohydrate, and ash has not been mentioned in the methodology section.
11. Please add the titles in each part of the results.
12. Tables are not well organised; I suggest that for each extract, the stem cells should be in one column, the MIC in another column, and the CMB in a different column.
13. Please give the scale that allows us to conclude that an extract is bactericidal or bacteriostatic.

Best regards,