

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.

In the Introduction Section:

Minor Revisions:

Instead of abruptly shifting from 2013 to 2019 WHO statistics, briefly mention how the burden of infectious diseases has changed over the years.

Clarify "non-microbial origins" in the description of ***Anogeissus leiocarpus***. Instead, explain which specific diseases it addresses.

Add a statement explaining why *Anogeissus leiocarpus* is a promising solution in the context of increasing antibiotic resistance.

In the Material and Methods section:

Specify the brand and model of key equipment used, such as the spectrophotometer, incubator, and blender, to enhance reproducibility.

The section describing the qualitative and quantitative phytochemical analysis should include references or more precise descriptions of the test conditions.

Provide clearer details on the time and temperature control during extraction steps, especially for ethanol and aqueous extracts.

In the DISCUSSION Section:

The roles of phytochemicals like saponin, terpene, flavonoids, and others need clearer elaboration, particularly regarding their specific mechanisms of antibacterial and antioxidant activity. Currently, it is stated generally that these chemicals have health benefits. A more precise explanation of how these compounds contribute to bacterial inhibition or oxidative stress management would strengthen the discussion.

The mention of antioxidants preventing chronic diseases is broad and lacks focus. More specific diseases or conditions where *A. leiocarpus* antioxidants might be beneficial should be mentioned, with references to relevant studies.

Additionally, there should be an acknowledgment of the need for clinical validation to confirm the medicinal benefits.

The mineral content discussion could be more concise, focusing on the relevance of these minerals in traditional medicine or possible drug formulations. While the functions of calcium, sodium, magnesium, potassium, and phosphorus are well described, this section could benefit from a clearer link to how these minerals contribute to the medicinal properties of *A. leiocarpus* and their bioavailability when consumed as part of a therapeutic extract.