

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

Hinde Aassila

Potential competing interests: No potential competing interests to declare.

The manuscript presents an interesting study on the antibacterial properties of *Anogeissus leiocarpus*, but requires several improvements to enhance its quality and impact.

The title should be more specific and concise, accurately reflecting the study's content. Keywords need to be carefully chosen to improve the article's visibility among researchers in the field, while including some broader terms to expand its audience.

The abstract would benefit from a clearer articulation of the study's novelty. While it highlights the effectiveness of the extracts, it should explicitly compare these findings to existing research and clarify the literature gap this study addresses.

The introduction could be strengthened by detailing the unique properties of *Anogeissus leiocarpus* that make it a suitable candidate for antibacterial studies. It is also essential to update the references supporting claims about the plant's medicinal properties with more recent studies.

The methodology section could be improved by justifying the selection of bacterial strains used. Furthermore, while the extraction and assay procedures are outlined, the rationale for choosing specific concentrations for Minimum Inhibitory Concentration (MIC) and Minimum Bactericidal Concentration (MBC) testing should be explicitly stated.

Tables should be organized and thoughtfully designed to enhance the understanding of results and statistical analyses.

The discussion could be enriched by comparing the study's findings with existing literature on similar plants or compounds, thereby situating the research within the broader context of phytomedicine. The conclusion should explicitly mention future research directions or practical applications stemming from the findings.

Some references appear outdated. Citing more recent studies, particularly those published within the last five years, would enhance the article's relevance and credibility.

Finally, certain sections, especially the introduction and discussion, could benefit from more precise language and a clearer articulation of the study's significance and implications.