

Review Form 3

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_124346
Title of the Manuscript:	Evaluation of heavy metal content of two Senegalese varieties of Combretum micranthum leaves and their decoctions
Type of the Article	Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript is significant for the scientific community as it addresses the safety of traditional medicinal plants, specifically <i>Combretum micranthum</i>, by evaluating heavy metal contamination. The findings contribute to the understanding of the health risks associated with herbal remedies, which are widely used in various cultures. Additionally, the research supports the need for ongoing monitoring of heavy metals in herbal products to ensure consumer safety. I appreciate this manuscript for its practical implications in public health and its contribution to the field of ethnopharmacology, highlighting the balance between traditional medicine and safety standards.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is suitable as it clearly indicates the focus on heavy metal evaluation in <i>Combretum micranthum</i> and its implications for safety. However, an alternative title could be:</p> <p>"Assessment of Heavy Metal Contamination in <i>Combretum micranthum</i> Leaves and Decoctions: Implications for Human Health"</p> <p>This title emphasizes both the evaluation aspect and the health implications, making it more informative.</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract is generally comprehensive as it outlines the study's focus, methodology, key findings, and conclusions regarding heavy metal content in <i>Combretum micranthum</i>. However, I suggest the following additions for clarity:</p> <ol style="list-style-type: none"> 1. Methodology Detail: Briefly mention the specific analytical techniques used (e.g., ICP-OES) to enhance understanding of the methods. 2. Health Implications: Include a statement on the potential health implications of the findings to emphasize the relevance of the study. 3. Contextual Background: A sentence providing context on the significance of <i>Combretum micranthum</i> in traditional medicine could strengthen the abstract. <p>These additions would provide a more rounded overview of the study's importance and methodology.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, the subsections and structure of the manuscript are appropriate. The clear division into sections such as "Materials and Methods," "Instrumentation," and "Reagents and Standards" allows for easy navigation and understanding of the research process. This organized format enhances readability and ensures that readers can quickly locate specific information relevant to the study.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript demonstrates scientific robustness and technical soundness through its use of established analytical methods, specifically the Perkin Avio 220 Max ICP Optical Emission Spectrometer for heavy metal analysis. The thorough preparation of reagents and standards, along with the decontamination procedures, ensures the reliability of the results. Additionally, the inclusion of detection limits and detailed descriptions of the materials used further supports the credibility of the findings. Overall, the systematic approach to methodology and adherence to safety and quality standards reflect a high level of scientific rigor in the research.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :</p>	<p>The references in the manuscript are generally sufficient and include a mix of recent studies and foundational works relevant to the topic. However, to enhance the manuscript's credibility and comprehensiveness, I suggest including additional recent references from 2022 or 2023 that focus on heavy metal contamination in herbal medicines or similar studies on <i>Combretum micranthum</i>.</p> <p>Some potential references could include:</p>	

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	<p>1. **Recent studies on heavy metals in herbal products**: Look for articles published in 2022 or 2023 that specifically address heavy metal levels in traditional herbal medicines.</p> <p>2. **Reviews on safety assessments of herbal medicines**: Include recent reviews that discuss methodologies for assessing contaminants in herbal products.</p> <p>These additions would provide a more up-to-date context for the research findings.</p>	
<p><u>Minor REVISION</u> comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article are generally suitable for scholarly communication. The manuscript employs technical terminology accurately and maintains a formal tone appropriate for a scientific audience. However, minor revisions for clarity and conciseness in certain sections could enhance readability, ensuring that complex ideas are communicated effectively to a broader audience.</p>	
<p><u>Optional/General</u> comments</p>	<p>The manuscript presents valuable research on heavy metal contamination in *Combretum micranthum*, which is relevant for both public health and the field of ethnopharmacology. It would be beneficial to include a discussion on the potential sources of contamination and recommendations for mitigating risks associated with herbal medicine use. Additionally, considering the inclusion of comparative data from other medicinal plants could provide a broader context for the findings and enhance the manuscript's impact. Overall, the study contributes important insights and warrants publication with minor revisions.</p> <p>The research is valuable, but some improvements in language and context would strengthen the overall presentation.</p>	

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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