

**Review Form 3**

Journal Name:	<a href="#">Asian Journal of Food Research and Nutrition</a>
Manuscript Number:	Ms_AJFRN_124369
Title of the Manuscript:	<b>Comparative in-vitro Analyses of the Anti-Inflammatory, Antioxidant, and Antimicrobial Properties of Selected Soup Thickeners commonly used in the Niger Delta Region of Nigeria.</b>
Type of the Article	

### Review Form 3

#### **PART 1: Review Comments**

<b>Compulsory</b> 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><b>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.</b></p>	<ul style="list-style-type: none"> <li>- The results of the study revealed valuable insights into the chemical compositions of the crude seed extracts of <i>M. sloanei</i>, <i>B. eurycoma</i> and <i>B. nigerica</i>. In addition, the presence of several active compounds such as alkaloids, flavonoids and phenols confirms the therapeutic potential of these seed extracts.</li> <li>- The research results showed that <i>M. sloanei</i> seeds had the highest antioxidant, anti-inflammatory and antimicrobial activity, indicating its superior efficacy among the three seed extracts. This is due to the presence of phenols and flavonoids in <i>M. sloanei</i> seeds, which are known for their health-promoting properties and may have a significant impact on the development of pharmaceutical and nutraceutical preparations.</li> <li>- Future studies should focus on isolating and characterizing the bioactive compounds to further understand the clinical and laboratory studies and experiments, and to fully elucidate the therapeutic potential of <i>M. sloanei</i> seeds for their health effects.</li> </ul>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>Yes, the research title is appropriate.</p>	
<p><b>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.</b></p>	<p>Yes, the abstract of the article is comprehensive</p> <p>Future studies should focus on the isolation and characterization of biologically active compounds to understand further studies and laboratory and clinical trials, and to fully clarify the therapeutic potential of <i>M. sloanei</i> seeds for their health effects.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p style="text-align: center;"><b>Yes</b></p>	
<p><b>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.</b></p>	<p>Regarding the scientific correctness of this manuscript: The research results showed that <i>M. sloanei</i> seeds had the highest antioxidant, anti-inflammatory and antimicrobial activity, indicating its superior efficacy among the three seed extracts. In vitro analyses confirmed the content of <i>M. sloanei</i> seeds in phenolics and flavonoids, which are known for their health-promoting properties and may have a significant impact on the development of pharmaceutical and nutraceutical preparations.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>It is important to emphasize the need to rewrite and review all references so that they are written in a correct scientific manner.</p>	

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Minor REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes, the quality language in this article is suitable for scholarly communications.	
<b>Optional/General</b> comments	<ul style="list-style-type: none"><li>- From a scientific point of view, the research is important, especially for some plant's useful in reducing inflammation and protecting the body against oxidative damage, which is linked to chronic illnesses.</li><li>- Aims of this study to fill this gap by providing a comparative analysis of the anti-inflammatory, antioxidant, and antimicrobial activities of these three commonly used soup thickeners (Mucuna sloanei (Ukpo) +KBrachystegia eurycoma (Achi) and Brachystegia nigerica (Ofor). By evaluating these properties the research seeks to validate the traditional uses of these plants and explore their potential as natural therapeutic agents.</li><li>- This study could offer valuable insights into the health benefits of these thickeners and contribute to the development of new, plant-based therapeutic options</li></ul> Pay attention to rewriting and reviewing references in a scientifically correct manner.	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### **Reviewer Details:**

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