

Journal Name:	<a href="#">Journal of Advances in Food Science &amp; Technology</a>
Manuscript Number:	Ms_JAFSAT_12671
Title of the Manuscript:	<b>Nixtamalization and fermentation enhance the Nutritional and Sensory attributes of maize and Cassava-based fufu</b>
Type of the Article	

### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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**PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	This manuscript presents valuable research on enhancing traditional African staple food (fufu) through the combination of nixtamalization and fermentation processes. The study is significant because it addresses important aspects of food security, nutrition enhancement, and food processing technology in developing regions. The research provides concrete evidence for improving both nutritional value and sensory attributes of fufu, which could have immediate practical applications for food processors and potential industrial scaling.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes, the title accurately reflects the content and findings of the research. It clearly indicates the key processes (nixtamalization and fermentation) and the focus product (maize and cassava-based fufu)	
<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>	The abstract is well-structured and comprehensive, effectively summarizing the key aspects of the research including methodology, results, and conclusions. However, it could be improved by; Including specific p-values when mentioning significant differences, adding brief mention of the experimental design (ratio of maize to cassava used), including the number of panelists used in sensory evaluation	
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes, the manuscript is scientifically sound. This is because, it has Clear experimental design and methodology Appropriate statistical analysis Well-documented results Conclusions supported by data Proper use of controls and treatments	
<b>Are the references sufficient and recent? If you have suggestions of additional</b>	The references are generally sufficient and up-to-date, with many from the past 5-10 years. However, I suggest adding, more recent references on nixtamalization technology in Africa.	

<b>references, please mention them in the review form.</b>	Additional references on industrial applications of combined fermentation-nixtamalization processes. References on food safety aspects of modified traditional foods.	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language quality is generally good but requires minor improvements; -Some sentences are too long and could be split for clarity -Occasional inconsistencies in hyphenation (e.g., "maize-based" vs "maize based") -Some technical terms need standardization throughout the text -Minor grammatical errors need correction	
<b>Optional/General</b> comments	1.The methodology section is well-detailed but could benefit from a flow diagram showing the complete process 2. Statistical analysis methods could be described in more detail 3.Results discussion could be more concise in some sections 4.Tables could be formatted more consistently 5.The conclusion could be strengthened by adding specific recommendations for industrial application	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<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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