

Review Form 1.7

Journal Name:	European Journal of Nutrition & Food Safety
Manuscript Number:	Ms_EJNFS_114844
Title of the Manuscript:	NUTRITIONAL AND SENSORY EVALUATION OF LOCALLY PRODUCED ACHA (DIGITARIA EXILIS) FLAKES FORTIFIED WITH BAMBARA NUT AND CRAYFISH
Type of the Article	

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PART 1: Review Comments

	Reviewer's comment	Author's comment (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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes. The combinations of product provide a way to address undernutrition, particularly in children, and can be used as breakfast for improving nutritional intake.</p> <p>It effectively highlights the significance of utilizing underutilized crops like acha and bambara nut to develop nutritious breakfast options. However, it could be strengthened by providing more specific information on the nutritional deficiencies prevalent in the target population and the potential impact of the developed flakes on addressing these deficiencies.</p> <p>The methods section provides detailed information on the production of pregelatinized acha flour, steamed bambara nut flour, crayfish powder, and the formulation of the composite flours. The sensory evaluation procedure is mentioned but lacks specific details such as the number of panelists and the training provided. Providing this information would enhance the reproducibility of the sensory evaluation results.</p> <p>The results section presents the findings of the proximate composition analysis, mineral content, vitamin A content, and anti-nutrient analysis of the formulated flakes. The results are well-organized and clearly presented using tables. However, it would be beneficial to include statistical measures of variability (e.g., standard deviation) for all reported values to assess the precision of the measurements.</p> <p>The discussion effectively interprets the results in the context of existing literature. It highlights the nutritional improvements achieved by fortifying acha flakes with bambara nut and crayfish, emphasizing the potential impact on addressing undernutrition. However, it would be helpful to discuss any limitations of the study, such as the potential variability in nutrient composition due to natural variations in raw materials or processing techniques.</p> <p>The conclusion provides a succinct summary of the study findings and reiterates the nutritional and sensory superiority of the developed flakes, particularly flake C. It also emphasizes the potential contribution of these fortified flakes to reducing child undernutrition..</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes.</p> <p>Yes.</p> <p>Arrange references as per journal guidelines.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes but grammatical errors should be corrected using a standard software. Formatting of table and figure must be appropriate for clarity and completeness of the manuscript.</p>	

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Optional/General comments	Suggestions for future research directions or practical implications for food fortification programs may be added in conclusion segment.	
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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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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