

Review Form 3

Journal Name:	Asian Journal of Food Research and Nutrition
Manuscript Number:	Ms_AJFRN_121529
Title of the Manuscript:	Proximate Analysis, Minerals and Sensory Evaluation of Breakfast Cereal made from Acha enriched with Soybeans and Sesame Seed Flour.
Type of the Article	Original Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	The importance of this scientific manuscript lies in its comprehensive evaluation of breakfast cereal formulations enriched with soybean and sesame seed flour, highlighting their potential nutritional benefits. By analyzing the proximate composition, mineral content, and sensory properties of various blends, the study provides valuable insights into how different ratios of acha, soybean, and sesame seed can enhance the nutritional profile of breakfast cereals. The findings indicate that the enriched cereals, particularly Sample D, offer higher protein and fat content, and a favorable sensory profile, which can be crucial in addressing malnutrition, especially in infants and children. Furthermore, the mineral analysis suggests that these cereals are rich in essential nutrients like sodium, calcium, potassium, and iron, which are vital for growth and development. Thus, this research underscores the potential of using locally available raw materials to formulate nutrient-dense foods that can contribute to better health outcomes in vulnerable populations.	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
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.	yes	
Are subsections and structure of the manuscript appropriate?	yes	
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.	This manuscript is scientifically robust and technically sound for several reasons. The study's design includes a clear objective, which is to evaluate the proximate analysis, mineral content, and sensory properties of breakfast cereal blends made from acha enriched with soybean and sesame seed flour. The use of standard procedures from the AOAC 2005 ensures that the methods for determining proximate and mineral composition are reliable and widely accepted. The formulation of four different composite blends with varying ratios provides a comprehensive comparison of nutritional and sensory attributes. The statistical analysis using ANOVA adds rigor to the data interpretation, confirming that the differences observed are statistically significant. The detailed results, including specific ranges for moisture, ash, fat, protein, and carbohydrate content, as well as mineral levels, offer valuable insights into the nutritional quality of each blend. Furthermore, the sensory evaluation using a 9-point hedonic scale provides an assessment of consumer acceptability, which is crucial for practical application. The study's conclusion that acha enriched with soybeans and sesame seeds can prevent malnutrition in infants and children highlights its potential public health impact, making the research both relevant and beneficial.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	Yes,sufficient	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	NO	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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