

Review Form 3

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	Ms_AJRB_129488
Title of the Manuscript:	Nutritional Analysis And Functional Properties Of Some Commonly Consumed Insects In Nigeria
Type of the Article	Research

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript, titled "Nutritional Analysis and Functional Properties of Some Commonly Consumed Insects in Nigeria," holds significant value for the scientific community as it explores an emerging area in sustainable nutrition. With the growing global interest in alternative protein sources, this study provides critical insights into the nutritional composition and functional properties of edible insects, which are often overlooked in mainstream research. The findings could have far-reaching implications for addressing food security, promoting sustainable diets, and understanding the potential applications of insect-based products in food formulation. Moreover, this research contributes to the documentation of indigenous food resources, preserving cultural knowledge while advancing global food systems. However, there are several concerns to be addressed	Noted
Is the title of the article suitable? (If not please suggest an alternative title)	<p>The title, "Nutritional Analysis and Functional Properties of Some Commonly Consumed Insects in Nigeria," is clear and descriptive. It reflects the manuscript's content, specifying the focus on nutritional analysis and functional properties of edible insects in Nigeria. However, it could be slightly refined to make it more engaging and highlight the significance of the study.</p> <p>Suggestions for improvement:</p> <p>Highlighting the broader impact: Incorporate terms like "sustainability," "alternative protein," or "nutritional potential" to emphasize the importance of edible insects in addressing global food challenges.</p> <p>Avoiding redundancy: The phrase "commonly consumed insects in Nigeria" could be shortened for conciseness.</p> <p>Suggested Title Option:</p> <p>"Nutritional and Functional Characterization of Edible Insects in Nigeria: A Sustainable Protein Source"</p>	Noted and revised

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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>The abstract is comprehensive and provides a good overview of the study's objectives, methods, key results, and implications. However, it could benefit from some revisions to improve clarity and focus. Here are my suggestions:</p> <p>Introduction Clarity: The opening sentence could be expanded to emphasize the broader significance of edible insects in global nutrition and sustainability, not just in Nigeria. For instance, you could mention their potential as alternative protein sources in the context of food security and environmental sustainability.</p> <p>Detailed Results: While the abstract includes many numerical findings, it might be better to condense or summarize these to avoid overwhelming the reader. For instance, instead of listing all the specific moisture, lipid, protein, and carbohydrate contents, a general summary could suffice, such as "The insects exhibited high protein, lipid, and vitamin A contents, with significant variability among species."</p> <p>Functional Properties: The abstract does not elaborate on the functional properties of the insects, even though they are mentioned in the study's aim. Including a brief mention of key findings related to functional properties would provide a more balanced overview.</p> <p>Conclusion Strength: The conclusion could be more impactful by explicitly linking the results to potential applications, such as how these insects could be integrated into food systems or processed into value-added products.</p>	<p>Noted and revised</p> <p>Noted and revised</p> <p>Noted and revised</p>
Is the manuscript scientifically, correct? Please write here.	Yes. However, the manuscript needs significant improvement before acceptance	Noted and revised
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references need to be improved. Most of the references used in this study are too old especially in the background and methodology sections.	
Is the language/English quality of the article suitable for scholarly communications?	There are lots of Linguistic problems. Please check the manuscript source file.	
Optional/General comments	<p>1. The background should be improved</p> <p>2. The discussions need significant enhancement with adequate citations to buttress your points.</p> <p>3. The methodology is not well articulated and should be well presented for better understanding. Also, most of the methodology are too old.</p> <p>4. Check the data carefully and correct them accordingly</p> <p>PLEASE SEE ATTACHMENT</p>	Noted and revised

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)	