

Review Form 3

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	Ms_AJRB_128271
Title of the Manuscript:	Comparative study on the Proximate, Amino and Fatty acid Compositions of Three Species of Stock Fish Sold in Markets within Yenagoa Local Government Area of Bayelsa State, Nigeria.
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. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: 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>
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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

Review Form 3

<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>The manuscript needs thorough revision and is not suitable for publication in its present form. Detailed comments are given below.</p> <ol style="list-style-type: none"> 1. The title must be edited to make it interesting and convey the contents. Suggestion: Proximate, Amino acid and Fatty acid Compositions of Three Species of Stock Fish Sold in Markets of Yenagoa Area of Bayelsa State, Nigeria 2. The term “Stock fish” is not common and may be modified as “salted and dried fish” 3. Table 1 can be deleted and the details can given in text appropriately within brackets. 4. The description of cod and the product need to be condensed with information that goes with the title, and Plates 1 and 2 can be retained as small pictures. 5. The last paragraph in the introduction needs to be rewritten, incorporating the objectives of the study. 6. Materials and Methods need to be rewritten. The paragraph on collection of samples is suggested as follows: Specimens of three popular species of imported stockfish, namely Cod, Apama and black cod stockfish samples, were purchased from retailers in three popular markets (Swali ultra-modern market, Tombia junction market and Kaiama market) in Yenagoa L.G.A of Bayelsa state, Nigeria. These species were imported from Norway into Nigeria and are highly cherished as protein sources, especially by consumers. Stockfish were randomly collected from each species and transported in sterile polyethene bags to the laboratory for analysis. 7. Sample preparation: How the samples collected from the market were stored? What are the conditions for the storage of the samples? 8. It is reported that the dried samples were ground to powder using a mortar and pestle. Is it possible to grind the dried fish samples using mortar and pestle? 9. The portion on proximate composition is very exhaustive. This section needs to be made brief since citations are given. 10. Amino acid analysis: Chromatographic procedure Provide the details of the system, including the detector used, the wavelength used for detection, the flow of the mobile phase etc. 11. How was the detection and quantification of individual amino acids achieved? 12. Fatty acid composition: It is understood that fat extracted using Soxhlet was used for a fatty acid profile, which is incorrect. The cold extraction method (Bligh and Dyer or Folch et al.) is the preferred method for fat extraction, as oxidation of fatty acids, particularly the unsaturated ones, can be minimised. Most of the unsaturated fatty acids would have been lost during the Soxhlet extraction of the fish sample at elevated temperatures, and the fatty acid profile of the sample would not have been given a correct picture. Which is the derivatisation method used? 13. Provide more details on the GC analysis. What is the temperature programme? What is the carrier gas used with flow rate? How was the detection and quantification of individual fatty acids achieved? Also, if possible, provide validation details. 14. Table 2: The results are usually given in a particular order depending on the importance of nutrition, viz., protein, fat, ash, fibre, etc. Also, the carbohydrate content in fish is generally very low. In this Table, the carbohydrate content is the highest, more than fat and protein. This is not acceptable and needs to be checked. 15. The fatty acid and the amino acid data is too low. Of course, the process of drying removes some nutrients. 16. The statement “The carbohydrate content recorded in the analysed fish samples was 60.85% in ramsi black cod followed by cod (60.83%) and apama (46.86%). These values suggest that these stock fish samples could be a good source of carbohydrates and could be used for diet therapy” is difficult to understand. Table 2 provides data with high carbohydrate content, more than fat and protein. For fish, this is not acceptable and needs to be checked 	

PART 2:

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

Reviewer Details:

<p>Name:</p>	<p>T.V.Sankar</p>
<p>Department, University & Country</p>	<p>India</p>