

Review Form 3

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	Ms_AJRB_129924
Title of the Manuscript:	Risk Assessment of Heavy Metals and Hydrocarbon Contamination in selected Seafood from Coastal Regions of Southern Nigeria
Type of the Article	Original Research Article

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.	1. Importance of the Manuscript: The manuscript addresses a critical public health concern, analyzing the carcinogenic risks posed by heavy metals and PAHs in seafood sourced from a highly polluted region. It contributes valuable data to the global discourse on food safety and environmental pollution. The findings are pertinent for policymakers and health experts, especially in regions grappling with similar environmental hazards.	Thanks for the commnets
Is the title of the article suitable? (If not please suggest an alternative title)	2. Title Suitability: The title is appropriate. However, for clarity, consider: "Human Health Risk Assessment of Heavy Metals and Hydrocarbons in Seafood from Southern Nigeria's Coastal Regions."	Correction effected alongside article titles suggested by other reviewers. New Title: "Human Health Risk Assessment of Heavy Metals and Polycyclic Aromatic Hydrocarbons in Seafood from Southern Nigeria's Coastal Regions."
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.	3. Abstract Evaluation: The abstract provides a comprehensive summary but could be improved by briefly mentioning the statistical significance of the results and highlighting key carcinogenic risk findings for both adults and children.	Corrections effected. Revised abstract is presented.
Is the manuscript scientifically, correct? Please write here.	4. Scientific Accuracy: The manuscript is scientifically robust and methodologically sound. However, a few clarifications are necessary: Define acronyms like "BDL" and "PAHs" in their first mention. Clarify why certain PAHs like Benzo(a)pyrene were below detectable limits.	Corrections effected. Page 5 Revised Table 2 is presented.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	5. References: The references are sufficient and recent. However, adding a few more global studies on seafood contamination (e.g., regions with similar environmental risks) would enhance the manuscript's comparative perspective.	Corrections effected.

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Is the language/English quality of the article suitable for scholarly communications?	6. Language Quality: The language is scholarly but would benefit from professional editing for grammar and syntax. Minor corrections are needed for clarity and flow.	Corrections effected.
<u>Optional/General</u> comments	Enhance the discussion by linking findings to global food safety standards. Provide more insights into mitigation strategies to reduce contamination in the seafood supply chain.	Noted and effected. Page 12

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>	