

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_82485
Title of the Manuscript:	DETERMINATION AND EVALUATION OF HEAVY METAL CONCENTRATION IN SURFACE WATER AND SEDIMENT FROM ORASHI RIVER IN RIVERS STATE, NIGERIA.
Type of the Article	

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy>)

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PART 1: Review Comments

	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>
Compulsory REVISION comments	<p>I believe the results of metals concentrations are interesting from the point of view of potential hazardous levels from human nutritional standpoint; however, the manuscript needs to be improved, especially in highlighting a better interpretation and discussion of the results.</p> <p>Overall: Check the word spacing, punctuation, and review the writing in English.</p> <p>(i) What is the hypothesis of this study?</p> <p>(ii) Materials and Methods: Reviewing the map of the area studied, I suggest using specific software for the elaboration of maps (Figure 1).</p> <p>(iii) Results: I suggest that in the graphs of concentrations of metals in surface waters, the authors point out the maximum value allowed for each metal.</p> <p>Statistics: Considering the significant differences found for each analysed metal, indicate the values that stand out as very different.</p> <p>(iv) Discussion: The experimental design of water and sediment samplings consider seasonality, i.e., wet and dry seasons. I suggest the authors to explore more these data in the discussion of results.</p> <p>Which metals present a greater concern in relation to the uses of water in the studied area? Please discuss this topic further.</p> <p>What are the authors' proposals regarding the use of the results obtained for the conservation/preservation of water/sediment in the region studied? What can one conclude about the current state of water and sediment quality thinking about drinking water and seafood? How can these results contribute to the formulation of public policies?</p>	
Minor REVISION comments		
Optional/General comments		

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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>	

Reviewer Details:

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