

### Review Form 3

Journal Name:	<a href="#">Chemical Science International Journal</a>
Manuscript Number:	Ms_CSIJ_130133
Title of the Manuscript:	Assessment of Selected Heavy Metals in Sediments from Ndambuk River, Busia County, Kenya
Type of the Article	Original Research 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:

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#### **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)	Ok,	

**Review Form 3**

<p><b>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.</b></p>	<p><b>Please write at the end of the abstract about circular economy.</b></p>	<p>ok</p>
<p><b>Is the manuscript scientifically, correct? Please write here.</b></p>	<p>Your text is scientifically sound, but a few improvements can enhance its clarity, precision, and adherence to standard scientific writing conventions. Below is a detailed analysis and suggestions for improvement:</p> <p><b>Strengths:</b></p> <ol style="list-style-type: none"> <li><b>Clear Purpose:</b> The objective of the study is well-defined: examining the pollution effects of heavy metals in sediments from River Nambu.</li> <li><b>Key Findings Highlighted:</b> The discussion of heavy metal levels relative to WHO permissible limits provides clear insights.</li> <li><b>Quantitative Analysis:</b> The use of pollution indices like the deaccumulation index, pollution load index, contamination factor, and enrichment factor strengthen the study's analytical rigor.</li> </ol> <p><b>Suggestions for Improvement:</b></p> <ol style="list-style-type: none"> <li><b>Terminology Consistency:</b> <ul style="list-style-type: none"> <li>Instead of "WHO permissible limits," specify whether these are "WHO soil/sediment quality guidelines" or "WHO recommended limits for heavy metals in sediments."</li> </ul> </li> <li><b>Detail on Sampling Methodology:</b> <ul style="list-style-type: none"> <li>Mention the number of sampling points and their distribution across the study area.</li> <li>Include information about sediment sampling protocols (e.g., depth, frequency, and equipment).</li> </ul> </li> <li><b>Statistical Analysis:</b> <ul style="list-style-type: none"> <li>Clarify whether statistical tests were performed to compare metal concentrations between seasons.</li> <li>Discuss whether the observed seasonal differences (e.g., Pb levels) are statistically significant.</li> </ul> </li> <li><b>Interpretation of Results:</b> <ul style="list-style-type: none"> <li>Provide a rationale for seasonal variations in Pb levels. For instance, explain if these changes could be due to hydrological conditions, land use, or anthropogenic activities.</li> </ul> </li> </ol>	<p>Noted</p> <p>Effectuated revision</p> <p>Correction made</p> <p>Noted and done</p>
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>		
<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p><b>Add more recent published article reference like</b> <a href="https://doi.org/10.1016/j.efmat.2024.12.005">https://doi.org/10.1016/j.efmat.2024.12.005</a> <b>and DOI</b><a href="https://doi.org/10.1039/D2VA00002D">https://doi.org/10.1039/D2VA00002D</a></p>	

**PART 2:**

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