

Review Form 3

Journal Name:	Chemical Science International Journal
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

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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>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>	<p>Please write at the end of the abstract about circular economy.</p>	
<p>Is the manuscript scientifically, correct? Please write here.</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>Strengths:</p> <ol style="list-style-type: none"> Clear Purpose: The objective of the study is well-defined: examining the pollution effects of heavy metals in sediments from River Nambu. Key Findings Highlighted: The discussion of heavy metal levels relative to WHO permissible limits provides clear insights. Quantitative Analysis: The use of pollution indices like the deaccumulation index, pollution load index, contamination factor, and enrichment factor strengthen the study's analytical rigor. <p>Suggestions for Improvement:</p> <ol style="list-style-type: none"> Terminology Consistency: <ul style="list-style-type: none"> Instead of "WHO permissible limits," specify whether these are "WHO soil/sediment quality guidelines" or "WHO recommended limits for heavy metals in sediments." Detail on Sampling Methodology: <ul style="list-style-type: none"> Mention the number of sampling points and their distribution across the study area. Include information about sediment sampling protocols (e.g., depth, frequency, and equipment). Statistical Analysis: <ul style="list-style-type: none"> Clarify whether statistical tests were performed to compare metal concentrations between seasons. Discuss whether the observed seasonal differences (e.g., Pb levels) are statistically significant. Interpretation of Results: <ul style="list-style-type: none"> 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. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>		
<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Add more recent published article reference like https://doi.org/10.1016/j.efmat.2024.12.005 and DOIhttps://doi.org/10.1039/D2VA00002D</p>	

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:

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