

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Environment &amp; Ecology</a>
Manuscript Number:	Ms_AJEE_81648
Title of the Manuscript:	Temporal Survey of Heavy Metal Loads in Surface Water, Sediments and Shrimps from Iko River Estuary, Eastern Obolo L.G.A, Nigeria
Type of the Article	Original Research 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.journalajee.com/index.php/AJEE/editorial-policy> )

### PART 1: Review Comments

	Reviewer's comment	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)
<b>Compulsory</b> REVISION comments	<p>It is better to state the unit of measurement of parameter on the Table (see Table 1 for correction). In section 3.1, para 2, the unit concentration of Zn (65.35) in sediment should be in Mg/Kg not Mg/L also attach unit to concentration of 19.57 in November. Change Tempero-partial in second to the last sentence in section 1 (Introduction) to Temporo-Spatial.</p> <p>The discussion section was done in relation to literature review, which makes it good academically.</p>	<p>The unit of measurement of parameter has been stated directly on the Table 1</p> <p>Corrections have been effected in section 3.1, para 2 concerning the unit of concentrations of metals</p> <p>Tempero-partial in second to the last sentence in section 1 (Introduction) has been corrected to Temporo-Spatial.</p>
<b>Minor</b> REVISION comments	<p>Study Design is not specific. Why the choice of glass bottles as against polyethylene containers for the collection physicochemical parameters and metals? Sampling collection methods and preservation of metals in solution is not satisfactory. It would be nice to state the source of equation in section 2.5 (Calculation). The last paragraph in section 3.1 should be rephrase with respect to Manganese to have a better flow.</p>	<p>Study Design is been specifically stated (section 2.2). The glass bottles referred to in this work were amber bottles. 2 Litres capacity Polyethelene containers were also used for water sample collection since other physicochemical parameters other than DO and BOD<sub>5</sub> were also required. These are now clearly stated</p> <p>The source of equation in section 2.5 (Calculation) has been stated as Wodaje and Alemayehu (2017).</p> <p>Last paragraph in section 3.1 with respect to manganese has been rephrased.</p>
<b>Optional/General</b> comments	<p>I have a problem with the validity of this research article. My concerns are; (1). The values of the metals are well beyond the maximum values allowable by WHO and US EPA for a non-point source pollution (again, it is a flowing river which allows some mixing). (2). Metals like Cd is found mainly in bottom sediment and suspended particle than in solution.</p>	<p>The values of the metals are well beyond the maximum values allowable by WHO and US EPA for a non-point source pollution mainly because of dredging and routine mining activities that mixes sediments with the water thereby increasing suspended particles; and this may be the possible reason for the high Cd concentration in water samples.</p>

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PART 2:

	Reviewer's comment	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	No ethical issues