

Review Form 1.7

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_110336
Title of the Manuscript:	Assessment of Physico-Chemical Parameters and Water Quality in communities in Abia State, Nigeria
Type of the Article	Original Research Article

## Review Form 1.7

### 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  <b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)  <b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)  <b>3. Is the abstract of the article comprehensive?</b>  <b>4. Are subsections and structure of the manuscript appropriate?</b>  <b>5. Do you think the manuscript is scientifically correct?</b>  <b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b>  <b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b>	<b>yes</b>           <b>yes</b>           <b>yes</b>           <b>yes</b>           <b>yes</b>           <b>yes , some additional reference are required that are related to heave metal study.</b>	
<b>Minor</b> REVISION comments  <b>1. Is language/English quality of the article suitable for scholarly communications?</b>		
<b>Optional/General</b> comments	1. What bases you have selected the following parameters for the study. Please highlight the reason. <ul style="list-style-type: none"> <li><input type="checkbox"/> chemical oxygen demand,</li> <li><input type="checkbox"/> biochemical oxygen demand,</li> <li><input type="checkbox"/> alkalinity, and total hardness.</li> <li><input type="checkbox"/> total dissolved solids (TDS).</li> <li><input type="checkbox"/> Heavy metal. lead, zinc, copper, mercury, cadmium, arsenic, chromium, nickel, and iron,</li> </ul> 2. Why not take other water quality parameters for the study.	<input type="checkbox"/> chemical oxygen demand, : It is an indicator of water pollution and can gives insights into the total organic load in the water. <input type="checkbox"/> Biochemical oxygen demand: It is a essential parameter for evaluating the biological health of water and the level of organic pollution. <ul style="list-style-type: none"> <li>• Alkalinity, and total hardness: To know the water's capacity to resist changes in pH.</li> <li>• Total hardness was to detect the level of the concentration of calcium and magnesium ions in water</li> <li>• Total dissolved solids (TDS). It provides a comprehensive assessment of water quality, including the presence of salts, minerals, and other dissolved compounds.</li> <li>• Monitoring these metals helps assess the impact of human activities, industrial discharges, and other sources on water quality</li> </ul>

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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?	(If yes, Kindly please write down the ethical issues here in details)	NO