

Review Form 1.7

Journal Name:	Asian Journal of Geographical Research
Manuscript Number:	Ms_AJGR_113550
Title of the Manuscript:	HYDROCHEMICAL ASSESSMENT OF GROUNDWATER AROUND AMAENYI AND STATE SECRETARIAT DUMPSITES IN AWKA, SOUTHEASTERN NIGERIA
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1- Yes 2 -Yes 3- Yes 4- Yes 5- Yes 6- Yes</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>In the Abstract section, there are superscripts for Cl⁻, SO₄²⁻, NO³⁻, but there are no superscripts for Na, K, Ca. Superscripts should be added for Na, K and Ca.</p> <p>While the first letter of some titles is capitalized, only the first letter of some titles is capitalized. (for example: Location/ accessibility of the study area) Please make it consistent throughout the article.</p> <p>Starting from the Introduction, section headings and/or subheadings should be numbered. In the current paper, numbering should start from the heading "3.3.3 Contamination Index (Cd)".</p> <p>I would like to see a few sentences in the Introduction section about the comparison of open dumpsite and landfill areas. For example, in solid waste landfill areas, different layers such as clay soils and geosynthetic layers are applied to prevent the transfer of leachate to groundwater. However, in dumpsites, waste is accumulated in an area that is not built in accordance with engineering principles. I recommend adding a few sentences to the Introduction section, citing the following article published in recent years that deals with this subject. doi: 10.2166/wst.2022.033</p> <p>The term "Cd" used throughout the article causes confusion. (Contamination Index (Cd) and cadmium (Cd).) Please use separate abbreviations for cadmium and the abbreviation corresponding to contamination index from the abstract section onwards. For example, Cadmium (Cd), contamination index (CD) or C_d (d should be written as a subscript)</p> <p>All abbreviations should be defined where they first appear throughout the text and then used consistently throughout the article.</p> <p>"...was categorized into < 1,500mg/L (Fresh water), 1,500 – 5,000mg/L (brackish water) and > 5,000mg/L (Saline water) by WHO (2010)." The initial letters of the words in parentheses should be written in lowercase.</p>	

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	"14mg/L to 474mg/L and 22mg/L to 96 mg/L" There must be a space between the unit and numerical values.	
Optional/General comments	I recommend correcting spelling errors throughout the article.	

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>	

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