

## Review Form 1.7

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_98912</b>
Title of the Manuscript:	<b>Radiometric and Heavy Metal Analysis of Leachates in Selected Open Dumpsites in Port Harcourt Region</b>
Type of the Article	<b>Original Research Article</b>

### 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.journaljgeesi.com/index.php/JGEESI/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)
<p><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. Yes. The information on the characteristics are valuable to be reported and published in order to assess the level of environmental pollutions and find mitigation of the problems</p> <p>2. Yes</p> <p>3. Need to revised some sentences especially about the results part as it was a bit confusing.</p> <p>Suggestion:</p> <p>“Radiometric analysis of dumpsite leachate shows the mean for potassium is 40K(71.715± 0.3 Bq kg<sup>-1</sup>), Uranium 238U (11.129± 0.021 Bqkg<sup>-1</sup>) and Thorium 232Th (1.813± 0.073 Bqkg<sup>-1</sup>). Meanwhile heavy metals analysis shows the mean for iron (20.966mg<sup>-1</sup>), Copper (25.787 mg<sup>-1</sup>), cadmium (3.592mg<sup>-1</sup>), nickel (1.557mg<sup>-1</sup>), zinc (129.855 mg<sup>-1</sup>), Magnesium (1.062mg<sup>-1</sup>), lead (1.269 mg<sup>-1</sup>) and Chromium (1.966 mg<sup>-1</sup>).”</p> <p>4. Need to elaborate and include more information. Include more recent findings</p> <p>5. Yes. But need to improve.</p> <p>6. References not sufficient. Please add more recent citations of other's work (&lt; 5 years).</p> <p>At least 25-30 citations.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>1. English quality should be improved. I notice some spelling errors in the manuscript. Some sentences need improvement. I did highlight with yellow colour in the manuscript. Please revise. You may send the articles for proofread.</p>	
<p><b>Optional/General</b> comments</p>	<p>The manuscripts seem simple as lack of citation and elaboration. You may compare your results with others findings too. You may include some figures/photos or graph to make your paper more interesting instead of just wordings. Probably can add pictures at materials and methods (photos of equipment used) or graph at results part.</p>	

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**PART 2:**

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

**Reviewer Details:**

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