

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Physical and Chemical Sciences</a>
Manuscript Number:	<b>Ms_AJOPACS_98599</b>
Title of the Manuscript:	<b>EVALUATION OF RADIONUCLIDE CONCENTRATION IN SUSPENDED PARTICULATE MATTER FROM TWO QUARRY SITES IN NIGERIA</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.journalajopacs.com/index.php/AJOPACS/editorial-policy> )

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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><b>Compulsory</b> REVISION comments</p> <p><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>1. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>Is the abstract of the article comprehensive?</b></p> <p><b>2. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>3. Do you think the manuscript is scientifically correct?</b></p> <p><b>4. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>Yes, if the corrections can be made</b></p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>yes</b></p> <p><b>yes</b></p> <p><b>Some of the references are too old. He can see Abojassim et al (2016) Asian journal of chemistry, ICRP (2000)</b></p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Little correction need to be done in terms of English quality for scholarly communications</p>	
<p><b>Optional/General</b> comments</p>	<p>It will be better, if the writer can use bar chart for the distribution of radiological parameters, so that people can easily understand the message.</p> <p>(1) In the Abstract, " All the radiological health risk parameters estimated were within their safe values as recommended by UNSCEAR." The units need to be changed to Bq/kg and also Na1(TI) needs to be changed to NaI(TI)</p> <p>(2) In the introduction, the followings need to be corrected:</p> <ul style="list-style-type: none"> <li>* radioactive nuclides to radionuclides</li> <li>* UNSCSAR to UNSCEAR</li> <li>* radiative to radioactive</li> <li>* funna to fauna</li> <li>* care to can</li> <li>* deleterious to detrimental</li> </ul> <p>(3) In 2.2, the foolowing needs to be changed;</p> <ul style="list-style-type: none"> <li>* dimeter to diameter</li> <li>* daughter nuclide to progeny</li> <li>* NaJ(TI) to NAI(TI)</li> </ul> <p><b>COMMENTS</b></p> <p>The writer is not consistent with the S.I units, all radiological hazards are best expressed in Bq/kg. In some places, he used Bq/kg while in some he used Bq/l.</p> <p>(1) He needs to calculate the mean activity concentration of those samples</p> <p>(2) He needs to discuss the Radium equivalent and also calculate the mean and compare the mean value with recommended value. Radium equivalent is the weighted sum of activity concentration associated with three radionuclides</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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