

**Review Form 1.6**

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_89371
Title of the Manuscript:	EVALUATION OF RADIOLOGICAL HAZARDS ASSOCIATED WITH SOME SELECTED MINING SITES IN NIGER STATE, 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.journalcjast.com/index.php/CJAST/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 style="text-align: center;"><b>Abstract</b></p> <p><b>Comment 1:</b> "Evaluation of Radiological Radionuclides Hazards" change as Evaluation of Radiological Hazards" ..</p> <p><b>Comment 2:</b> In abstract, there is no full stop in the first ten lines of paragraph. Pl Separate them accordingly.</p> <p><b>Comment 3:</b> It is mentioned .. What is meaning MW&gt;GR&gt;KR?. Pl mention</p> <p><b>Comment 4:</b> use uniform symbol throughout the manuscript either Bq/kg or Bq/kg<sup>-1</sup></p> <p><b>Comment 5:</b> In abstract, last five lines not clear and to be modify as per grammatical standard.</p> <p><b>Introduction</b></p> <p><b>Comment 6:</b> In introduction first paragraph, "cancer risks for children exposed are also about twice as large as those for adults"... reference pl</p> <p><b>Comment 7:</b> It is mentioned. ...our living environment because of the health implications (UNSCEAR.. Complete the sentence with UNSCAER 2000 or ?</p> <p><b>Materials and methods</b></p> <p><b>Comment 8:</b> In section 2. The solid minerals? Reference pl</p> <p><b>Comment 9:</b> Check which is correct NaI(TL)? What is meant by TL</p> <p><b>Comment 10:</b> What was the detector efficiency and calibration factor?</p> <p><b>Comment 11:</b> Any specific reason for counting time 36000s (10 hours)?</p> <p><b>Comment 12:</b> In Equation 1 and 2 (Reference pl), what is A and check which is correct "t" or "T"</p> <p><b>Comment 13:</b> the sentence not clear. "the following <u>assessment criteria</u> were used to quantify exposure to radiation?"</p> <p><b>Comment 14:</b> In section 2.5.1 to 2.5.8, It is well known fact that, the many references are not needed and mention any one or two.</p> <p><b>Comment 15:</b> All the radiological parameters (section 2.5.1 to 2.5.8) should be in results and discussion part, if possible.</p> <p><b>Comment 16:</b> In section 3.1.2, "the value was below the global upper limit of 370Bq/kg<sup>-1</sup>" changed as "the value was below the recommended safe limit of 370Bq/kg<sup>-1</sup>".</p> <p><b>Comment 17:</b> In Table 1.4 to 1.6, the standard deviation values are only given for Ra<sub>eq</sub>. What about other radiological parameters SD?. Maintain uniformly for all the radiological parameters.</p> <p><b>Comment 18:</b> Pl avoid too much of section viz., 2.5.1 to 3.2 and group all to gather properly in <b>Result and Discussion part. Pl refer some standard research paper.</b></p> <p><b>Comment 19:</b> Any specific reason for summary?. Or remove it simply.</p> <p><b>Comment 20:</b> It is mentioned. ..."human exposure" if I am right "radiation exposure". Please change the sentence accordingly.</p>	
<b>Minor</b> REVISION comments	It is mentioned in above paragraphs.	
<b>Optional/General</b> comments	<p><b>Comment 1:</b> Please check all the radiation units are properly in appropriate places.</p> <p><b>Comment 2:</b> Pl ensure the grammatical and technical errors in entire manuscript.</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>	

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