

Review Form 1.7

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_106210
Title of the Manuscript:	Determination of Radioactivity Levels 226Ra, 232Th and 40K in some Soil Samples within Federal Polytechnic Kaltungo Main Campus using Gamma Ray Spectrometry
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.journalpsij.com/index.php/PSIJ/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>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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Somewhat. The spectrometry of the radioactive materials and sometimes the N.A.A method (Neutron Activation Analysis) to determine the activity of the radionuclides is one of the most common and simplest works that is done in every nuclear physics laboratory. Thus, the current work, which has been carried out by the author(s), is never a complicated work that they have authored an article about!</p> <p>No. The suggested title is: "Determination of Activity Levels of ²²⁶ra, ²³²th, And ⁴⁰k in Some Soil Samples of Federal Polytechnic Kaltungo Main Campus Using Gamma Ray Spectrometry"</p> <p>Yes.</p> <p>No. The fifth paragraph on page 2, which belongs to the Introduction section, is unrelated to the paper and must be removed from the manuscript.</p> <p>To some extent.</p> <p>No. The references are not sufficient and recent. The author(s) must add some new references belonging to the last five years to the References section.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>No. The manuscript must be rechecked from the grammatical aspects of the English language.</p>	
<p>Optional/General comments</p>	<p>The author(s) must answer this question: What features has the region of Federal Polytechnic Kaltungo Main Campus had that the author(s) has (have) focused on? On the other hand, What does this area need to be considered to determine the activity of ²²⁶Ra, ²³²Th, and ⁴⁰K?</p> <p>So far, much research work has been carried out on this matter according to the titles of the following papers submitted to this publisher.</p> <ol style="list-style-type: none"> 1. Assessment of Heavy Metal Contamination of Soil in Mechanic Workshop: A Case Study of Nekede and Orji in Imo State, Owerri, Nigeria. 2. Level of Radiation Hazards Emission from Sand as Building Material, Case Study of Onuebum Sand Dumps, Nigeria. 3. Radiogenic Heat Production Due to Natural Radionuclides in Soil and Sediments of Coastal Communities of Okrika Local Government Area of Rivers State, Nigeria. <p>, etc. The authors must explain what the novelty of this paper is rather than other previous works.</p> <p>In the Conclusion section, page 12, line 3, the annual effective dose has been written: "annual effect dose". This mistake must be corrected.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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