

Review Form 1.7

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_107704
Title of the Manuscript:	EVALUATION OF SPECIFIC ACTIVITY CONCENTRATION OF 238U, 232Th AND 40K AND THEIRRADIOLOGICAL IMPACT IN SOIL AND RICE GRAINS FROM SOLID MINERAL MINING SITES IN IKWO LOCAL GOVERNMENT AREA OF EBONYI STATE, 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><u>Compulsory</u> REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>It's important to the local scientific community.</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>It's appropriate and objective.</p> <p>3. Is the abstract of the article comprehensive?</p> <p>Yes. They's structured according to the development of the work.</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>Yes. It's pertinent, suitable and from the important public health point of view.</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>Yes. The terms are according to what usually literature reporters</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>Yes. References are enough for the update and understanding of content.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The authors evaluated the concentration of 238U, 232YH and 40K, in the soil and in grains of rice, in mining places in the city of Ikwo/Nigeria, using a meter Digilert-200. The obtained medium values were of 170,53, 9,26 and 8,81 (in Bq/Kg) for 40K, 238U and 232Th, respectively for the soil and grains and rice. These values, in the rice and in the soil, they are below the values globally allowed of 1,00 mSv/ano. Like this, in the samples of rice the results of 0,37 for <1ano, 0,05 among 1-7anos, 0,04 among 7-12anos, 0,03 between 12-17anos and 0,02 for >17anos. Although these values are inferior to the values globally allowed, it can have tendency of risks for the health the long term, as the cancer, due to accumulated doses. It is recommended that activities in the soil, that you/they increase the absorbed concentration, be reduced and the area is evaluated periodically.</p>	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> <p>Yes. The quality of the writing in English is clear.</p>		
<p><u>Optional/General</u> comments</p>		

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PART 2:

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

Reviewer Details:

Name:	Frederico Andrade E Silva
Department, University & Country	Campinas University, Brazil