

Review Form 1.7

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_113687
Title of the Manuscript:	ASSESSMENT OF CONCENTRATIONS AND DISTRIBUTIONS OF RADIONUCLIDES IN SOILS OF ABANDONED MINE SITES OF JOS SOUTH AND BARKIN LADI IN PLATEAU 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>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>yes</p> <p>Authors could add "(Natural Radionuclides)" after "Radionuclides" to further specify the study's focus</p> <p>Add a sentence like: "Exposure to elevated levels of naturally occurring radionuclides in soil can pose potential health risks to nearby populations." Instead of: "116.76 ± 0.21 to 250.15 ± 0.42 Bq/kg," use: "116.76 ± 0.21 to 250.15 ± 0.42 Bq/kg" Replace "permissible limits" with: "recommended safe limits by UNSCEAR (2023)"</p> <p>Yes</p> <p>Yes.</p> <p>Yes.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>There are a few spelling and writing mistakes in the text, which are highlighted. Some sentences are repetitive or overly long. Consider revising them for conciseness and clarity.</p> <p>Replace: "The geochemical behaviour of thorium, uranium, and, to a lesser degree, rare earth elements (REEs) is comparatively comparable to that of other elements in the geological environment." with: "Abandoned tin mines can potentially increase soil radioactivity due to the presence of naturally occurring radionuclides like thorium, uranium, and rare earth elements."</p> <p>Revise: "The study, therefore, is to determine the concentration and distribution (both spatial and temporal) of radionuclides in soils of abandoned tin mines in some parts of Barkin Ladi and Jos South Local Government Area of Plateau State." with: "This study aims to assess the concentration and spatial distribution of radionuclides in soils of abandoned tin mines in Barkin Ladi and Jos South Local Government Area of Plateau State, Nigeria. Understanding the levels and distribution of these radionuclides is crucial for evaluating potential health risks to nearby communities."</p>	
<p>Optional/General 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:

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