

Review Form 3

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_128386
Title of the Manuscript:	ASSESSMENT OF BACKGROUND IONIZING RADIATION OF ENGINEERING LABORATORIES OF FEDERAL POLYTECHNIC NEKEDE OWERRI, IMO STATE.
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	<p>The paper addresses an important topic of ionizing radiation exposure in educational laboratories, which is critical for understanding health risks and ensuring a safe environment for students and staff.</p> <p>The in-situ measurements of both indoor and outdoor radiation levels provide a robust dataset. The use of well-calibrated radiation meters and GPS devices enhances the accuracy of data collection. The inclusion of critical health parameters such as absorbed dose, annual effective dose equivalent (AEDE), and excess lifetime cancer risk (ELCR) offers a thorough assessment of potential risks. The study benchmarks its findings against international standards, such as those from UNSCEAR and ICRP, adding credibility and relevance to the results.</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	<p>Repetitiveness in the Abstract and Conclusion: Both sections restate similar findings without offering distinct insights or implications, reducing their impact.</p> <p>Revise Abstract and Conclusion: Make the abstract more concise and focus the conclusion on key findings and actionable insights.</p> <p>Include Broader Context: Compare findings with other similar studies to provide a clearer picture of the significance of the results.</p>	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	<p>Investigate Sources of Radiation: Conduct further analysis to confirm the specific radionuclide sources contributing to elevated levels.</p> <p>Apply Statistical Methods: Use statistical tools to enhance confidence in the observed variations and trends.</p> <p>Expand Study Scope: Include additional laboratories and facilities to provide a more holistic view of radiation exposure across the institution.</p> <p>Propose Mitigation Measures: Suggest practical recommendations for reducing radiation exposure, such as waste management or shielding enhancements.</p> <p>Enhance Accessibility: Provide clearer explanations of technical terms and methodologies to make the paper more accessible to a wider audience.</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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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