

Journal Name: [Journal of Disease and Global Health](#)

Manuscript Number: Ms_JODAGH_12766

Title of the
Manuscript:

**ENVIRONMENTAL AND HEALTH IMPACT OF QUARRYING AMONG RESIDENTS OF AKURE, ONDO STATE,
NIGERIA.**

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.

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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>

<p>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>	<p>The study provides valuable insights into the environmental and health impacts of granite quarrying activities in Nigeria. The assessment of the impacts of quarrying on local residents highlights critical issues such as pollution and health risks. The study contributes to the growing body of research on sustainable mining practices and environmental health, offering baseline data for policymakers, resource managers, and public health officials to mitigate the negative impacts of quarrying.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is already suitable.</p>	
<p>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>	<p>The abstract is quite comprehensive, covering the study objectives, methodology, findings, and implications. However, it can be improved for clarity and comprehensiveness. Here are my suggestions for enhancement:</p> <ol style="list-style-type: none"> 1. The objective statement is written in between the methodology statement. I suggest that the objective statement would be second and lump the methodology statements next to the “The objective of the study....” 2. The abstract states that a “field study” was conducted, but it could be specify whether it included survey, interview, air quality measurement, etc. 3. Include some numerical data such as percentatge of participants affected by health issue would strengthen the impacts 4. The abstract does not specify any proposed strategies. A brief mention of potential mitigation measures such as improved regulations, relocation options, etc would enhance its value 5. The last sentence can be made more impactful by explicitly stating the study's major conclusion and its significance for policymakers, managers, or local communities. 	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>Generally, yes, the manuscript aligns with established scientific concepts regarding quarrying impact on health and the environment. However, the study should provide more methodological details and precise wording to enhance scientific credibility.</p>	
<p>Are the references sufficient and recent? If you have suggestions of</p>	<p>References are sufficient, while some are not recent.</p>	

<p>additional references, please mention them in the review form.</p>		
<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>	<p>For improvement of introduction part, here is the suggestion:</p> <ul style="list-style-type: none"> • First paragraph contain only 1 sentence. A paragraph should typically contain atleast 3 sentences. • Begin with strong introductory paragraph that briefly contextualizes environmental health concerns and connects them to quarrying. • Include localized information on quarrying activities in Akure to highlight research necessity • Clearly state the research problem and objectives at the end of the introduction. <p>For the materials and methods, here is the suggestion:</p> <ul style="list-style-type: none"> • The manuscript states that Akure was chosen due to quarrying activities, but it does not explain why these three specific quarries were selected. Hence, it is suggested that the author provide criteria for quarry selection such as level of activity, proximity to residential areas, history or complaints or whatever it is considered as inclusion criteria for selection. • There is no mention of how many participants were surveyed. Hence, the author should specify the total number of participants, inclusion criteria for participant selection, and the sampling technique used in selection. • The manuscript did not mention if the questionnaire was validated and a pilot test was conducted. Also, it does not mention ethical approval or informed consent procedures. Authors must specify the stated content to enhance the scientific credibility of the study. • To improve scientific credibility, clarify the study design and include quantitative details as to the analysis of the data. <p>For results and discussion, here is the suggestion:</p> <ul style="list-style-type: none"> • The results mention chi-square tests but does not specify which variables were compared to draw statistical interferences. Hence it is suggested to clearly state the 	

	<p>hypotheses tested and provide a brief explanation of what the significant values imply.</p> <ul style="list-style-type: none"> • Include a more detailed analysis of quarry impact such as the seasonal variation of particulate matter. Discuss why PM levels are higher in dry seasons, is it due to wind patten, or increased in quarry activities? <p>For conclusion and recommendation, here is the suggestion:</p> <ul style="list-style-type: none"> • The first sentence is grammatically incorrect (redundant use of although and however). The author should reword the sentence for clarity. • Write the recommendation in a paragraph form. Improve recommendations by including justification (e.g., clarify how blasting mats reduce environmental and health impacts, specify distance regulation to reduce exposure to pollutants, and suggest how the government enforces compensation policy (establishment of Environmental Guarantee Fund or whatever applies in government of Nigeria). 	
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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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