

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_126806
Title of the Manuscript:	Determination of Trace Metal Composition in Ambient Air from Open Burning of Solid Waste in Aiyekale, Nigeria
Type of the Article	Original Research 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: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Open burning of waste significantly contributes to air contamination by releasing harmful heavy metals into the atmosphere. This practice poses a severe environmental and public health concern, as heavy metals such as lead, cadmium, and mercury can accumulate in the air and subsequently enter ecosystems and human bodies, causing a range of adverse effects. The importance of monitoring and tracing these metals cannot be overstated, as accurate measurements are essential to assess their impact and to implement effective mitigation strategies. Therefore, this manuscript addresses a highly relevant and pressing issue, offering insights that are essential in the context of modern environmental challenges.	
Is the title of the article suitable? (If not please suggest an alternative title)	Assessment of Trace Metal Emissions in Ambient Air from Open Solid Waste Burning : A Case Study of Aiyekale, Nigeria	
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.	The abstract should first introduce the issue and outline the objectives of the manuscript, rather than summarizing the results.	
Are subsections and structure of the manuscript appropriate?	Yes, the structure and subsections are correctly written	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript is scientifically sound and well-supported, demonstrating a robust methodology and accurate findings. Its approach and data analysis are thorough, adding reliability to the conclusions drawn.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references and literature is insufficient. The current literature is insufficient, and additional studies specific to Nigeria, particularly in Ilorin City, could be incorporated to strengthen the manuscript. Citing more research on open waste burning in Nigeria would provide valuable context and enhance the depth of analysis in this area.	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes the language quality is suitable for scholarly communication</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1. Introduction: The introduction should be structured methodically, beginning with an overview of the global context of waste management and air contamination from open burning. This should be followed by a discussion at the national level, then narrowing down to the specific context of Nigeria. A brief overview of the study's objectives should be included to clarify the research purpose. 2. Literature Review: An extensive literature review is essential, encompassing studies from the global, national, and local levels. Relevant research on open waste burning and its environmental impacts, especially studies specific to Nigeria, should be thoroughly quoted to provide a comprehensive background. This study requires a wide array of literature to contextualize its findings and should reference similar studies to underscore the significance of the research. 3. Methodology: Begin the methodology section with an introduction to the geographic area, detailing the specific state under study before focusing on particular dumpsites relevant to the research. This structure will give readers a clear understanding of the study's setting and its specific focus areas. 4. Conclusion and Recommendations: The conclusion section should consolidate key findings with an emphasis on the challenges identified in the study. Section 3.6 on challenges should be integrated under a combined heading, "Conclusions and Recommendations," to offer both a summary of results and practical suggestions for addressing the identified issues. 	

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<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>	

Reviewer Details:

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<p>Department, University & Country</p>	<p>University of Jammu, India</p>