

Review of: "Evaluation of Ambient Air Quality Levels at Various Locations within Lead City University, Ibadan"

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Potential competing interests: No potential competing interests to declare.

- It is better to also use Medical Subject Headings (MeSH) terms in keywords. None of the keywords are MeSH terms.
- In the introduction, the authors indicated some studies showing high levels of ambient and indoor air pollutants in Nigeria. It is recommended to briefly explain them.
- It is not needed to always write abbreviations with their full names in the manuscript. One time is enough, and then you can use just the abbreviation.
- Carbon monoxide is CO, not CO₂ (introduction section).
- This sentence needs a reference: "Exposure to these air pollutants can have various health effects, including respiratory and cardiovascular problems, neurological and developmental problems, and an increased risk of cancer."
- The structure of the paper is not the same as that of other published articles. It is recommended to take a look at those and reformat the manuscript accordingly.
- The authors stated, "The study will be conducted over a period of time to capture variations in air quality levels due to changes in weather, seasonal factors, and human activities. The study will cover different areas within the university, including academic buildings, residential areas, and open spaces." In my opinion, these sentences are more usable in research proposals, but not in the research paper, as authors usually report what they have done in their projects. Re-writing the manuscript is highly recommended.
- It is better to also mention the models of air quality assessment tools used in your project.
- How did the authors get informed consent from participants when the main study aim was assessing the quality of air in different university regions?
- Table 1 can be simply explained in the methods section.
- The authors explained a lot about SO₂, NO₂, and other air pollutants in the introduction, but no assessment of them has been done in the study. It's better to remove those extra explanations.
- Tables 2 through 15 can be merged into one table and included in the supplementary appendix. It is also recommended to do some statistical analysis to find any differences in variables between morning and afternoon.
- There is no time frame in the study. Since the air quality might differ in various seasons, it is pivotal to mention when the study happened.
- Figures 1 and 2 are not logical as the units of the desired variables are not the same.
- The authors indicated they used appropriate statistical tests to analyze the data (t-test, ANOVA, etc.). However, there is nothing in the manuscript.



Regards