

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.

I thank the Editor for the opportunity to review this article.

I thank the Authors for the work done and provided for review.

The topic of the article is relevant and up-to-date. The problem of particulate matter, in particular, is particularly important, and it is necessary to control, as well as to find ways to solve this type of pollution.

For further additions, I present my recommendations.

I advise authors to provide citations of works in which similar studies have already been conducted in other cities of the world; it will be useful for comparison for future readers.

I advise referencing these works:

<https://doi.org/10.1007/s11356-022-23798-9>

<https://doi.org/10.1016/j.iatssr.2021.03.004>

<https://doi.org/10.1016/j.envint.2023.108281>

<https://doi.org/10.3390/buildings12101696>

Only fractions of size less than 2.5 μm and less than 10 μm are known to be normalized. However, for scientific research, such a narrow range provides little information about the origin of pollutants. At the end of the Introduction chapter, it is worth mentioning not only the purpose of the work but also its novelty. Since the principle of such research is already known, it is worth emphasizing how the strategy of finding places with the best air quality differs?

In the Methodology part, it would be very informative to provide a site map with the survey points.

What is the purpose of measuring CO in open spaces without any characteristic sources of oxidation (including combustion), where this mixture of gases can be emitted and not immediately converted to CO₂ in the air?

It is worth describing in more detail the technical characteristics of the air quality detector and possible error intervals.

It is necessary to specify how the part of the day is calculated, i.e., in which interval of hours is considered Morning,

Afternoon,

Figure 1 and Figure 2: I suggest using a decimal logarithm scale for the vertical axis; you will see the small columns better. Axis titles should be presented.

In all text except Section 4 (including tables and figures), the units of measurement of pollutants are not presented. Please correct this; perhaps some of the units of measurement are also different.

It would be logical to present the main short paragraph at the very end of the paper, which would finally summarize the study in relation to all pollutants and highlight 1-2 places by numbering the measurement locations that are most appropriate for teaching students about air quality.