

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.

The paper, to an extent is well written. However, the under listed comments may add value to the quality of the article for publication.

Abstract

The abstract is written with paragraphs. I find this strange.

Introduction

The chemical formulae of nitrogen dioxide, sulphur dioxide, carbon monoxide and ozone should be written correctly. See paragraphs 3 and 8 of introduction . There is no justifiable reason in the article why CO, CO₂, PM_{2.5} & PM₁₀ were chosen for the study from the list of USEPA criteria air pollutants.

Materials and Methods

Sections 2.2 to 2.10 is poorly written with repetitions. For instance section 2.2.3 and 2.5 both titled sampling frequency and duration. It looks more of lecture material. Frequency of sampling is not clearly stated for one to make decision. The article is devoid of sample coordinates and sample location map. Names of equipment used for the air quality monitoring and the principle on which they operate is not stated.

Results

Results as presented in tables and graphs are without units. Furthermore, the available data was not subjected to any statistical or air quality models such as AQI, PI, etc., to ascertain the status of the university community as regards to air quality.

Summary of Findings and Conclusion

This section is well written based on available data.

References

References are rather too scanty. More current and relevant literatures should be cited. Perhaps "Spatial and diurnal distribution of carbon monoxide and its health and environmental implications in selected locations in the Niger Delta area of Nigeria" published by African Journal of Science, Technology, Innovation and Development in year 2022 could be of help.

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