

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

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**Potential competing interests:** No potential competing interests to declare.

## Abstract

**Background:** Industrial activities in Lead City University are mentioned, but the nature of such activities is not stated. Can you please provide information on industrial activities in the University community?

**Results:** CO range of 4.1 to 49 ppm did not perhaps consider location 13 with 184.2 ppm. Morning RH values of 63.8 to 74.7 are repeated in paragraphs 1 and 2, while RH afternoon has two sets of values in the abstract. These are: 58.2% to 63.4% (paragraph 1) and 58.9% to 67.3% (paragraph 2). Kindly reconcile the discrepancies.

## Introduction

**Scope of study:** .... This 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 4 weeks of sampling between 25th June 2023 and 3rd August 2023 did not fit the above assertion.

## Materials and Methods

No reference to figure 1 in the write-up. Also, the sample locations are not clearly defined on the map. No legend to serve as a guide.

In section 2.1.1.2, PM10 and PM2.5 are mentioned as selected air quality parameters for the study, but only PM2.5 was measured.

T-test, ANOVA, and correlation analysis, listed as inferential statistics used in data analysis, are not reflected in the results and discussion.

## Results

CO mean values as displayed in Table 18 did not agree with the 4.1 to 49 ppm range as widely reported in the article.

Recommendations are generic. They do not reflect the findings of the study.

**Comment:** There seems to be inconsistency in terms of measured values and the discussed values. Some of the comments raised earlier have not been fully addressed. I'm afraid I may not recommend this article for publication.

