

# 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.

Review for the article:

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

Be careful with capitalization; the first word of each paragraph should be capitalized.

Tables 3-18 need to be better explained, or you should choose a better visualization for all that data.

What is the meaning of S/N in those tables?

What kind of measurements are they? I mean, are they hourly averages, or instant measures?

Important to notice: stands of measurements, for example, PM is averaged every 24 hours, whereas CO<sub>2</sub> is averaged every 8 hours to assess the level of pollution according to international norms.

Figures 2 and 3 need to be improved. There are two main issues; first, please label the axes. Then, the levels are different between variables, which is why some values are not displayed. Maybe use two axes and produce several graphs. And explain what exactly you are plotting there?

In your discussion, you claim to be surprised that all levels are similar. I would expect this as the stations are very close to each other, and you don't have significant pollution sources near your measurement points. It would be more interesting to compare pollution levels in the city center and the suburbs of the city or compare pollution levels in the university to levels of air pollution in a similar university (similar size and climatological conditions). An important climatic condition affecting air pollution is wind speed and wind direction, as pollutants from other regions can be transported to this region and measured with your stations. The study would benefit if you included wind maps.

Define what hours you called "morning" and "afternoon" and show climatic conditions at those hours; you will notice they are likely to be cyclical.