

Review of: "Impact of Environmental Education on the Knowledge and Attitude of University of Benin Students towards Waste Segregation"

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Potential competing interests: No potential competing interests to declare.

Thanks for letting me read this paper. The aim of the study is important and time demanding because I believe strong emphasis should be put on environmental education. This paper aims to study the impact of environmental education on the knowledge and attitudes of university students in waste segregation, which is important for better understanding the effective path of disseminating environmental education at the tertiary level. However, the statistical approach followed by this paper is weak and doesn't represent a better connection among collected data sets, thus reducing the parametric values. The results are expressed only in a tabular format, potentially needing more significant cohesion or deep understanding. The methods could be clearer, and the validation of questionnaires needs to be better for a robust representation.

Introduction: A well-written introduction is represented. However, some relevant discussions or messages from current studies on environmental education at the tertiary level still need to be made available (e.g. Mallick et al., 2023; Chen and Tsai, 2016; Umuhire and Fang, 2016). I recommend adding them to the introduction section.

Methodology: I am still unsure what data collection strategies are followed in this study (e.g. face to face survey, online or phone call). A brief explanation of data collection strategies is required. The author mentioned that purposive sampling is adopted; more explanation is required here. If the study used an established questionnaire, a brief explanation of how it aligns with the current study with references is required. If questionnaires are newly developed, it needs to ensure they have good psychometric properties (e.g. reliability, validity).

Results: Only tabular representation of data sets needs some intellectual properties of assessment. The statistical methods used here are relatively basic. For example, why not use mediation analysis to see if gender level of education (of self and parents) is a predictor of level of knowledge? Demographic information has yet to be incorporated with the collected data, which is mentioned in the questionnaire development section. Attitudes and behaviors may be related to students' demographic variables (see, Mallick et al., 2023). Brief rewriting, with improved data visualization and statistical analysis, is required here to improve the manuscript.

Discussion: The discussion section is concise now and lacks intellectual merits with a broader understanding of the scope of the study. After the rearrangement of the result section, it should be rewritten.

