

## Review of: "MCDA - Groundwater prediction analysis for Sustainable Development using GIS Supported AHP in Okeigbo, Southwestern Nigeria"

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Potential competing interests: No potential competing interests to declare.

The data acquired and the results obtained in the study represent an important contribution to the knowledge of groundwater in the study area, deserving publication. However, a major review is needed to better communicate these results. The entire work needs a revision in the writing, both in relation to English and in the organization of the manuscript, which is often confusing. Abbreviations should be explained along the text and in figure captions, as it is easy to get lost. I suggest putting geographic coordinates, at least in the location figures, to communicate the positioning globally. Figures must be standardized in terms of font, dimensions and layout, and must be legible. Also, legend units must be explicit. A detailed geological map of Okeigbo is needed to aid in the interpretation of the results. Methods should be described in a more organized way, the MCDA method, for example, should appear in the methods section. Some results and maps appear without explanation of the methodology. The results need to be described in a more concise and organized way. Regarding the results, a geological section must be presented and the correlation of figure 15 revised. If the lithologies of the geological units vary along the wells, how is it possible to affirm the correlation and connectivity of the alteration mantle? If yes, it must be discussed. Finally, a map with the final result of the MCDA must be presented to integrate the interpretations and make them applicable, explaining all uncertainties.

Qeios ID: 3N0UHU · https://doi.org/10.32388/3N0UHU