

# 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 manuscript, entitled (Review of: MCDA: Groundwater Prediction Analysis for Sustainable Development Using GIS-Supported AHP in Okeigbo, Southwestern Nigeria, assessed the groundwater prediction using MSDA and geophysical methods.

The significance, purpose, and goals of the present work need to be elaborated, and it needs to be written in context as to how this work is different from other research works carried out in similar regions.

Initially, I recommend the authors review the title. The title might be misleading. I suggest that the authors revise the proposed title. The work initially evaluates the groundwater potential area and later applies geophysical methods.

In general, the text is well organized and written, but it is too long and boring for the reader. There are just a few problems with the writing in English; the text and punctuation are missing. It is fine to read and follow the arguments presented. On one side, there are a few mistypes and adjustments to be made in this sense. The text still mostly needs improvement to better address the points raised in the analysis shared with the authors.

The authors need to do a much better job of addressing all these aspects, including an improved state-of-the-art review, to point out the novelties in the case study, in relation to precedent methodologies.

Below are some notes about the research gaps:

1. Fig. is not necessary for such a level of articles.

Fig. 10 is not clear. It is not a groundwater flow direction.

In such a detailed study of groundwater, the 1D resistivity method is not accurate; it must use 2D.

I didn't see any validation of the output, either by wells or geophysical traverses.

The conclusion must be rewritten and contain all the aspects.