

Review of: "Groundwater Potential Zone Assessment Using Remote Sensing, Geographical Information System (GIS), and Analytical Hierarchy Process (AHP) Techniques in Fogera Woreda, South Gondar Zone, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

Dear Editor, I hope you are doing well, and I would like to thank you for inviting me to review this paper,

First of all, I recommend accepting this manuscript for publication in your outstanding journal just after considering the following comments:

- The authors need to use more up-to-date references relating to the topic of the manuscript (E.g., AlAyyash, S., Al-Fugara, A. K., Shatnawi, R., Al-Shabeeb, A. R., Al-Adamat, R., & Al-Amoush, H. (2023). Combination of Metaheuristic Optimization Algorithms and Machine Learning Methods for Groundwater Potential Mapping. *Sustainability*, 15(3), 2499.; Al-Shabeeb, A. A. R., Al-Adamat, R., Al-Amoush, H., & AlAyyash, S. (2018). Delineating groundwater potential zones within the Azraq Basin of Central Jordan using multi-criteria GIS analysis. *Groundwater for sustainable development*, 7, 82-90.)
- The objectives and aims of the study should be written in the introduction, not in the study area description section.
- On pages 2, the authors have to use the correct symbols for (degrees) in coordinate numbers (I mean the authors, instead of using degree symbols, they used (0), which is not correct)
- In Table 1, the abbreviations [GSE, MWME, CRU] must be defined at first appearance.
- I suggest merging the sections [Data Used and Methods] into one section, since Data Used has only Table 1, and the Methods section talks in detail about the type of data and resources.
- In the Methods section, you don't talk about the theoretical background of AHP, as a principal method used in the study. (Here I suggest writing information on the idea of AHP and its importance to this study)
- Give numbers (1, 2, 3,...) for the mathematical equations used in the study, and re-write them in a proper way to be understood by the reader. (I suggest using the equations templates in Microsoft Word to write the equations)
- Elevations in the legend of Figure 12 should be shortened to one or two digits only.
- In page (12/15), re-write clearly the last paragraph which has several misunderstood abbreviations for weights, rates, criteria, capital, small letters, etc....
- The authors have used very few references in this study; I suggest again to support the study with more recent similar studies.
- Regards,

