

Review of: "Spatial Analysis of Soil Fertility Using Geostatistical Techniques And Artificial Neural Networks"

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Potential competing interests: No potential competing interests to declare.

Dear Author(s)

A few issues and tips are mentioned here for scientific and qualitative improvement of the manuscript:

1. Some sentences are long and should be shortened if possible. An overview is needed (abs, intro, etc.).
2. Abstract keywords should be rearranged and sorted alphabetically.
3. What was the total area of the sampling site? (Please mention in the abs., intro. and related sections).
4. Which CV (cross validation) algorithm was used (LOOCV, LTOCV, etc.)? It would be greatly appreciated if you could elaborate and describe how this technique can approve the reliability of maps using OK and FKCEN approaches? (If it is mentioned in the relevant section, I will be highly grateful).
5. What are the reasons for lower reliability and less precision of the maps of silt and clay components using the FKCEN/geostatistical approaches? (If you can interpret in the results and conclusions, it would be thankful).
6. Where is the innovation and novelty of the work? It is very good if it is mentioned in the abs and introduction.
7. It would be very useful and valuable if you could explain the reasons for choosing the FKCEN algorithm over other algorithms to describe the soil fertility classes. (In the results and discussion).
8. Is this method (the selected approach) globally applicable or only specific to that location?
9. Please double-check the spelling of the words as well as the acronyms (please write the abbreviations in full, when used for the first time).
10. A thorough comparison between geostatistical techs and ANN approaches using tables, figures and indices inferred from the results, is needed. In addition, the final recommendation is necessary in the discussion and conclusion.

Finally, many thanks for your valuable research.

Good luck

