

Review of: "The impact of land use practice on the spatial variability of soil physicochemical Properties at Wondo Genet, Southern Ethiopia"

Wenying Peng¹

¹ Capital University of Economics and Business

Potential competing interests: No potential competing interests to declare.

Different land use methods have a significant impact on soil quality. This paper focuses on the impact of land use types on soil quality. It is of great significance to investigate the impact of land use change and draw topographic diversity map for land use. The analysis of factors in this paper is also helpful to change agricultural land productivity. The research conclusions and results of this paper are of great significance, so it is suggested to revise and publish.

1. It is mentioned in the introduction of the article "To fulfill the world's expanding food demand, particularly in emerging nations, the necessity to enhance agricultural productivity should be gradually improved." This paper discusses how to manage the expansion of agricultural land systematically and integrate it with the existing natural resource conservation system. However, this part has not been introduced. What is the practical significance of this study?

2. In the part of land sampling method, it is mentioned that land sampling samples are sent to the chemical laboratory for air drying for physical and chemical examination. However, this paper does not introduce this method, that is, why this research method is chosen? What are the advantages of the research method? Does it change the soil sample?

3. The location map of the article only shows the location of the river basin. It is suggested to add a small map to show the geographical location of the river basin in Ethiopia, so as to facilitate the understanding of foreign readers.

4. In the conclusion part of this paper, the content of soil trace elements is introduced, but the normal range of soil elements and the influence of the content beyond the range on agricultural production and human life are not explained.

5. The paper only mentions the need to pay attention to carbon, nitrogen, soil organic matter and PH value in the final conclusion, but does not give clear suggestions on how to apply them to soil management and land use.