

Review of: "Probabilistic Assessment of the Heavy Metal Pollution in Debrecen's Topsoil"

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Potential competing interests: No potential competing interests to declare.

General comment: The manuscript meticulously assesses the heavy metal distributions in the topsoil of the study area, a topic of significant interest to the scientific community. With minor revisions, the manuscript is poised for publication. The English level could be improved.

Title: This can be revised to be more captivating.

Abstract: This could be more concise and well-organized. What is the source of the quoted threshold values? The methodology and results need to be better explained. There are too many irrelevant statements.

Keywords: You are advised to revise to capture the objectives or focus of the study.

Introduction: This section, while informative, could be more extensive. It should provide a comprehensive background and knowledge of the study, highlighting the potential impact of the findings on our understanding of heavy metal distributions in topsoil.

Material and Methods: Figure 1 shows the locations and sampling procedures that are not displayed. Discuss the study area's geological formation and add the geological map.

XRF assesses elements with an atomic mass number of less than 19. You need to check whether XRF is suitable for the study.

The mathematical expressions are not showing.

Give the geocoordinates of the sampling locations.

Results and Discussion: This section should be reorganized for easy flow. Compare the results with similar results in recent times.

Conclusion: This section should be revised to conclude the study in one paragraph in a logical and concise manner.