Review of: "Excessive Aluminum in Soil: Review Paper"

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Potential competing interests: No potential competing interests to declare.

This paper, entitled "**Excessive Aluminum in Soil: Review Paper**," explores the impact of excessive aluminum in soil on plant growth, environmental factors, and human health. Although the problems being addressed are potentially of interest to the readership, your manuscript does not meet the required quality standards to be considered for publication.

Suggested comments:

1. The abstract is unattractive. It is suggested that the importance of this research work be written in detail.

2. Authors have claimed, “Nanoparticles have shown potential for efficient removal of aluminum from soil through processes such as adsorption and ion exchange. Nanoparticles, such as nano-sized iron or calcium compounds, have shown potential in reducing aluminum toxicity in soil by effectively binding and immobilizing the By utilizing nanoparticles, researchers aim to enhance the efficiency of chemical amendments and enhance the uptake of aluminum by plants.” The importance of this work cannot be well recognized by general readers. Discuss the shortcomings of previous work and the gaps and how this work intends to fill those gaps. Related references should be cited:

- International Journal of Hydrogen Energy, 48 (2023) 37286-37301.- Ecotoxicology and Environmental Safety, 269 (2024) 115801.- Journal of Molecular Liquids 242 (2017) 447-455; Microporous and Mesoporous Materials 95(1-3) (2006) 248-256; Polyhedron 28 (14) (2009) 3005-3009; Journal of Alloys and Compounds 617 (2014) 627-632; Diamond and Related Materials 79 (2017) 133-144;Polyhedron 28 (14) (2009) 3005-3009; ; Journal of Alloys and Compounds 791 (2019) 792-799; Ultrasonics Sonochemistry 82 (2022) 105892;

3. Figures 1 and 2 are not mentioned in the text.

4. You are requested to add some content to amplify how this research work contributes to the field of study. Authors should add enough references to support the results of their work.

5. Write the novelty of the work clearly in the introduction section.

6. The authors should enhance the discussion and comparison with the results in the literature.