Review of: "[Review Article] Excessive Aluminum in Soil"

Bushra Gul[1]

1 Quaid-i-Azam University

Potential competing interests: No potential competing interests to declare.

1. Abstract too short and doesn't clear study purpose or outcome.

2. The Figure 1 doesn't indicate the reference from where it was adopted, or is it an original picture? Moreover, the figure mentions 2a, 2b, but the meaning is not explained in the caption or text.

3. Figure 2: Solubility diagram of the most significant species of aluminum in an aqueous solution of aluminum chloride at different pH. Source: McBride 1994. It seems like the data is outdated; no significant research has been made in recent studies. This applies to the literature review as well.

4. Sources of aluminium contamination don't cover significant sources.

5. Remediation strategies for Al-contaminated soils also don't cover literature or all remediation strategies like application of biochar, lime, and many others.

6. Abstract mentions recent advances include phytoremediation, genetic engineering, and nanotechnology, while the article doesn't significantly talk about the technologies. Discuss the technological advancements. What is the impact of Al on the environment and human health? I don't see any impact on human health as stated in the first line of the abstract.

7. Literature review needs a lot of improvement. Discussion/future directions need a lot more improvement. The article does not add any significant value to the literature in its present condition.