

Review of: "Synthesis, Characterization and Ameliorative Effect of Iron Oxide Nanoparticles on Saline-Stressed Zea Mays"

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Potential competing interests: No potential competing interests to declare.

The article named "Synthesis, Characterization and Ameliorative Effect of Iron Oxide Nanoparticles on Saline-Stressed Zea Mays" does not show any valuable or innovative content.

1. The introduction lacks depth and fails to establish the context and significance of the study effectively.
2. Consistency in terminology is crucial for clarity. There are so many terminologies like FeONP, iron oxide nanoparticle, FeO nanoparticle. Choose one standardized term throughout the manuscript.
3. Image qualities are very poor, as well as figure legends.
4. Since this study is related to human consumption, toxicity studies are required to check whether this particular nanoparticle has any harmful effects or not.
5. The manuscript appears to lack coherence, particularly in the Materials and Methods and Results Discussion sections.
6. What is the significance of the UV-vis study in this experiment?
7. What is NED? Please provide the full name of the abbreviation.
8. Have you done all the experiments in triplicate?
9. Please use subscript and superscript.
10. mL and ml: please use the right one.
11. Table 3 is not clear.
12. Provide a scientific rationale for selecting *Diodella sarmentosa* (SW) as the study plant over other alternatives. Justify its suitability and relevance to the research objectives in a scientifically rigorous manner.