

# 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.

This paper presented interesting work. I would suggest making minor modifications before publishing:

1. Abstract needs to be improved:

- no objective of study
- a brief methods for antioxidants, chlorophyll, percentage indices
- include results for characterization: FTIR, XRD

2. Introduction: The research problem was well stated.

3. Subsection 2.3 TEM procedure: Sonicated first, then the sample was placed on carbon-coated copper grids

4. The figure of FTIR was tagged as supplement 2, not supplement 1. The figure is not clear and sharp.

5. Subsection 3.3 – No explanation of SEM results

6. Ensure the consistent use of the term "iron oxide nanoparticles": some FeONPs, FeO NPs, Iron (Fe) ONP

7. Please write indicators/labels for small letters (a, b, c, d). What does it mean? To which group is it being compared?

8. Conclusion: There are wrong units (m to nm).