

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.

Authors have synthesized iron oxide nanoparticles using an aqueous leaf extract. The present manuscript can be accepted after successful completion of the following comments.

1. Abstract should be sounder. Revise the abstract by adding importance of the work.
2. Clearly mention the motive for the synthesis of iron oxide/iron NPS. Authors want to focus on Fe-NPs or FeONPs in the introduction section.
3. Why have authors selected *Diodella sarmentosa*(SW)? What is the role played in the synthesis of FeONPs and how?
4. Authors mentioned ".....leaves was heated to 100°C for 1 hour." Please check the notations all over the manuscript. It should be 1h not 1 hour.
5. Use the FeONPs notation all over the manuscript.
6. In FT-IR, e.g., 873.2334 cm⁻¹, just write 873.2 cm⁻¹
7. There are several grammatical mistakes, topographical errors in the manuscript. Refer to standard journals' format to write the manuscript.
8. There are no supporting references in the FT-IR analysis.
9. Authors should compare their obtained results with reported values.
10. Figures/graphs are not plotted in a proper manner.
11. Authors should thoroughly revise the manuscript.