

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.

I have read and reviewed the manuscript with much interest. Synthesis, Characterization, and Ameliorative Effect of Iron Oxide Nanoparticles on Saline-Stressed Zea Mays were investigated by the researchers. The idea of the current work is very interesting. Therefore, I suggest its acceptance after some modification. The manuscript in its current state needs some improvement before being published. My suggestions to the authors of the current paper are given below.

1. The abstract in its current state requires improvement. The concept of the investigations is unclear. What is the purpose of carrying out this work? This should be clearly written in the first part of the abstract. Please revise it.
2. The first few lines of the introduction section should contain appropriate references.
3. Please pay careful attention to the undefined abbreviations in the document. Each abbreviated term must first be defined before its abbreviated form can be used throughout the document.
4. The language of the paper is weak, which reduces the quality of the paper and makes it hard to read. So, to improve this, the language should be improved throughout the manuscript.
5. Results and discussion are well defined using appropriate citation. It would be better if you compare this work with previously reported literature and explain the novelty of this compared with reported literature in the same field.
6. The unit should be corrected, as g/ml should be stated as g/mL, and 5 mL should be 5 mL. Correct it throughout the manuscript.
7. Please pay careful attention to the superscript and subscript numbers. For example, H₂O₂ should be H₂O₂.
8. Performing a dynamic light scattering (DLS) study is highly suggested to determine the particle size distribution, polydispersity, and zeta potential.
9. The unit for 80 °C is wrong. Authors should take great care to correct such errors.
10. Consistency should be maintained throughout the document; for example, figures are written as Fig in text and as Figure in captions. It has to be corrected throughout the manuscript.