

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 review deals with the manuscript entitled Synthesis, Characterization and Ameliorative Effect of Iron Oxide Nanoparticles on Saline-Stressed Zea Mays. The manuscript is interesting, but the authors need to address the following observations before any decision:

1. In the pot experiment section, it says 1:10 gr/ml, which is unclear; please explain.
2. It is convenient to define SOD and CAT when appearing in the manuscript for the first time.
3. The serial number of the equipment (s) should be deleted from the manuscript.
4. It says "...irrigated with 200 ml of a 300 mM solution of sodium chloride (NaCl) for the subsequent..." Was it 200 ml a day?
5. There is an error; it says: 1.1ml ml of 50 mM phosphate buffer"
6. It says: "...each pot was measured in mm...It doesn't need to mention "in mm". In addition, it says: percentage chlorophyll and should be "percentage of chlorophyll".
- 7, The following sentence needs to be corrected: For the purpose of identifying and characterizing the organic compounds that capped FeONPs, the fourier-transform infrared (FTIR) approach was adopted in identifying the distinctive functional groups.
8. One digit after the decimal point is enough. I suggest replacing 873.2334 with 873.2 cm⁻¹, and similarly, all numbers in the manuscript.
9. In the conclusion, replace 80 0C by 80°C.