

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 manuscript titled (Synthesis, Characterization and Ameliorative Effect of Iron Oxide Nanoparticles on Saline-Stressed Zea Mays) The abstract section needs modification, such as the method (concentration and composition volume ratio of plant extract with the precursor salt), is interesting but not unique and needs some corrections.

In the abstract, in line 1, "threaten" should be written as "threatens," and "affect" should be written as "affects." **in line 6**, in the phrase "word of total chlorophyl," "chlorophyl" has a typographical mistake and is written as "chlorophyll."

What is the novelty of the work? What makes your current report unique as compared to the previously reported work? So, add some to show this part.

Explain how you confirm the activity and the properties when the composition of the extract and the salt is altered.

Correct ml to mL.

The activity of both the extract and FeONPs should be done. This can be used to verify whether the synthesized NPs should have enhanced activity as compared to the extract.

FTIR spectra of both the extract and the NPs are missing .

Please add some new and recent references for the introduction and discussion sections.

In methods, in section 2-9, "per centage" should be written as "percentage."

The manuscript sometimes talks about Fe-NPs and other times about FeO-NPs. Which one is exactly the synthesized material for your work?

The conclusion should be updated; besides, 80 oC, 380 m, and 2.5 keV should be modified to 80 OC, 380 nm, and 2.5 keV, respectively.

The manuscript needs to be revised grammatically well.