

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 deals with synthesis, characterization, and application of Fe NPs, and they assessed its effect on different parameters of maize. The topic is interesting, but it needs a lot of modification before a final decision:

1. The Introduction is like a review paper in which a lot of general sentences are presented. Please delete the first half of the sentences and replace them with new and more scientific ones explaining the problem statement and the need for the study.
2. At the end of the Introduction, no need to explain the main variables studied.
3. Figure 1 is like a Graphical Abstract. Please delete it.
4. What was the blank sample? On the other hand, how did you control your experiments to check the ameliorative effects of FeO NPs?
5. Please give a proper caption for Fig. 2.
6. Fig. 5 is not an image! It is an XRD pattern. Meanwhile, the x-axis needs a proper unit, and proper labeling on the XRD pattern is required.
7. Please shift Tables 1-3 to the Supplementary data.