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.

1. Provide a more detailed interpretation of the results, especially regarding the lack of significant improvement in shoot biomass with FeO NPs application.

2. Discuss possible reasons for this outcome and consider addressing potential limitations or factors influencing the results.

3. Provide additional information on why specific crops like sweet potato, wheat, and maize are particularly sensitive to soil salinity, while others like cotton, barley, and sugar beet are highly tolerant. This can enhance the reader's understanding.

3. The importance of iron as a micronutrient for plants is well-explained. You may consider providing a brief mention of how iron deficiency can affect plant growth and development.

4. Adding a sentence to address the pH aspect in the synthesis para will make the report more authentic.

5. Compare the FTIR spectra to some recently reported works.

6. Provide the data of the soil characterization before and after adding the NaCl.