

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.

Dear Authors,

The paper is a nice innovative research study that needs some points to revise before acceptance:

1. Terribly needs relevant references from the last five years in the methodology and results discussion section.
2. Need to correct for English grammar and academic writing.
3. Please discriminate between salinity and sodicity as a Na-concentrated solution is sodic, not saline.
4. Include some pictures from the pot trial with a comparison of treatments.
5. The statistical letters on bars in figures do not seem fine. Please do statistical analysis again with better software like Minitab. Put error bars where applicable.
6. The economics of the research regarding applicability of nanoparticles in large scale should be discussed.
7. The FTIR bands should be backed by relevant literature.
8. The nanoparticles did not enter the soil of the pots. Only foliar application was done. Discuss mechanisms responsible for reduction in osmotic stress with it.