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.

http://The study "Synthesis, Characterization, and Alleviative Impact of Iron Oxide Nanoparticles on Zea Mays Experiencing Saline Stress", provides a methodologically sound and well-organized approach that makes it easy to replicate and motivates further research. The application of thorough characterization techniques greatly improves our understanding of the artificially generated iron oxide nanoparticles (FeONPs). The results highlight FeONPs' beneficial effects on a range of physiological and biochemical markers in Zea mays exposed to salt stress. Please address the following comments before publishing this paper. Suggestions for Improvement: 1. The uniqueness of this study lies in its distinctive contributions to the existing body of knowledge. It is essential to underscore the novelty of the work. Additionally, in the final paragraph of the introduction section, provide a foundation for the study to justify its. 2. It is recommended to discuss the impact of varying sizes of FeONPs on salinized Zea mays. To enhance result interpretation, please furnish more details on the concentration and application method of FeONPs. 3. Include a discussion on the potential ecological and agricultural implications of using FeONPs for stress mitigation in crops. 4. Kindly provide a table for comparative analysis between this study and previous relevant works to enhance readers' comprehension.