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.

Comments for Author

The **MS** entitled **"Synthesis, Characterization and Ameliorative Effect of Iron Oxide Nanoparticles on Saline-Stressed Zea Mays"** reports in this paper, Iron oxide nanoparticles were synthesized using an aqueous leaf extract of Diodella sarmentosa, and the results of the characterization using FTIR, XRD, EDX, TEM, UV-vis, and SEM revealed the presence of polydisperse spherical iron oxide nanoparticles (FeONPs) with a maximum light absorption wavelength of 380 nm, and a size ranging from 2.22 to 27.83 nm. Foliar application of FeONPs on the salinized Zea mays significantly.

The manuscript will be accepted after addressing the major comments given below:

1. The preface must be rewritten and focus on comparisons between authors' innovation points and previously reported works.
2. There are English mistakes, and the grammar needs to be improved substantially. The manuscript should be corrected by a native speaker.
3. The author clarifies the novelty of this work.
4. The authors must cite these recent references for the improvement of literature;

https://doi.org/10.1016/j.molliq.2023.123469

https://doi.org/10.1016/j.inoche.2023.111109

https://doi.org/10.1016/j.ijbiomac.2023.124809

https://doi.org/10.1016/j.matchemphys.2022.126877

https://doi.org/10.1016/j.molliq.2022.119453

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https://doi.org/10.1016/j.inoche.2021.109179

https://doi.org/10.1016/j.matchemphys.2021.125454

https://doi.org/10.1016/j.pdpdt.2021.102458

https://doi.org/10.1016/j.eti.2021.101694

https://doi.org/10.1016/j.msec.2021.112146

1. Follow the journal format for writing all the headings and subheadings.
2. Enlist all the chemicals with percent purity and their company names.
3. I will recommend the acceptance of the MS after addressing the above-mentioned comments.