

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

1. In general, the manuscript was not clearly written. It needs editing in terms of language and choice of words. Some of the explanations could have been written in a simple and straightforward language so that readers can easily understand the findings. The clarity of the manuscript should be improved. A clear idea about the present work should be explained in the introduction part.
2. In the experimental section, the experimental procedure should be written clearly with recently developed references.
3. The novelty of this work is not seen clearly. The author should give the highlight of novelty with proper justification.
4. The author should explain the amount of samples used for FT-IR, UV/Vis, and EDX. The mentioned equation should not represent the Scherer equation. The results reflected from UV/Vis spectroscopy are not representing Fe-NPs. The author cannot get, "absorbance of 3.74 at the 380 nm wavelength, indicating this wavelength to be the optimum for FeO nanoparticles," information from the instrument.
5. The XRD graph, which was shown in the manuscript, was not clearly visible, and try to use the proper software for plotting the graph (Origin software). Don't make a screenshot for figures and tables. Keep the informality between lines (see fig. 5), writing symbols, and abbreviation (Fig).
6. However, it has been recommended that the average crystallite size should be measured using the Cauchy-Lorentzian equation (W-H plot) rather than Scherer's equation.
7. The result revealed from FT-IR does not seen clearly (see Supplementary attachment 2), and try to use different colors while drawing graphs in case Supplementary attachments 3 & 4.
8. The conclusion is a little bit verbose. The authors should discuss their findings concisely. It should be summarized with all the observations and obtained results. Authors must rewrite the conclusion part with clear output from this work.
9. Authors also should check the reference style format with respect to the journal.