

# 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.

The article in question is acceptable in terms of its purpose and content, but it is necessary for the author of the article to fix the following problems in order to increase the quality of the article.

1- Is it suitable to treat branches and spray nanoparticles on resistant and monocot leaves of corn, while corn does not have very deep roots.

2- Why was it not used through the root of the treatments?

3- The purpose of the research should be better stated at the end of the introduction of the article and separated from the referenced part of the introduction

4- The characteristics of the cultivation bed and its soil, including acidity, farm capacity, amount of light, and soil moisture should be stated accurately

In other words, how the standard conditions of plant growth were provided to determine the effect of the treatments better. So the standard cultivation conditions of the plant should be stated more precisely

5- What statistical software was used in this research?

6- In the results section, the explanation of the subtitles should be more complete and detailed, such as figures 2 and 3

7- In table number 2, it is not clear how to use Latin letters to rank average numbers. What statistical test was used?

In this table in the row of the first week, there is a lot of error. Is the data normal and what method was used to normalize the data?

8- Overwriting the tables will be more complete and accurate

9- In Figure 6, what does A, B, ... on the horizontal axis show? To be completed

10- In Figure 7, what is the status of the statistical letters on the top of the bars, the value of a should be the highest value. For example, in Duncan's test

11- The chlorophyll measurement unit should be corrected in the results. What plant tissue contains milligrams of

chlorophyll per gram?

12- What is the abbreviation for the enzyme catalase? CAT. be corrected

It should be corrected in the attached tables and figures

13- The number of references in the article is large, and if possible, they should be reduced and some older references should be removed

With Best regards