

# Review of: "Synthesis of Nickel Nanoparticles Using Ionic Liquid-Based Extract from *Amaranthus viridis* and Their Antibacterial Activity"

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Potential competing interests: No potential competing interests to declare.

There are no results and conclusions in the abstract section. Please write the abstract in scientific format.

There are a lot of incomprehensible sentences in the text. There are many non-scientific words in the text that should be replaced with appropriate words; for example, replace "decrease" with "reduction" and "clean with water" with "wash with water."

The name of the plant, *Amaranthus viridis*, is written incorrectly, *Amaranthus viridus*, in several places in the article. Please note that the word is in italics. Please respect the italics of the word in the entire text.

The last paragraph of the introduction is not written in a scientific format; please correct it.

In the materials section, the sentence related to distilled water should be removed. Also, in this section, what is meant by plant material, and which part of the plant is used?

In the methods section, you wrote that the mixture was washed. How was this done? Was the centrifuge for 5 minutes at 4000 rpm for washing or separating the nanoparticles?

Write the names of bacteria in the same way throughout the text.

The method of antibacterial activity is not clearly written. Please rewrite it.

In section 3.1, which is about UV-vis analysis, why is antibacterial explanation written? Please correct it.

From the FTIR spectrum, it is not possible to understand that the nanoparticles are crystalline. What is the reason for your statement?