

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.

1. Relevance and key findings of the research work have not been included in the abstract.
2. The introduction does not contain enough information about the objectives of the study (insufficient writing), and relevant previous works may be referred to properly.
3. In the materials and methods section, detailing about the characterization techniques used is less, and no references are included.
4. In the results and discussion part, the UV analysis does not contain the obtained results (check for the missing writing part).
5. Other characterization techniques also need to be verified and justified with proper references.
6. Results of antibacterial activity do not include the control (standard drugs) data in comparison with synthesized nanoparticles and plant extract. Experimental data of minimum inhibition concentration and statistical analysis of the study may be included.
7. The work may be justified by conducting experiments related to the secondary metabolites of the plant extract.

Overall, the study needs some major revisions, after which the paper may be resubmitted.