

# 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.

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Synthesis of Nickel Nanoparticles Using Ionic Liquid-Based Extract from *Amaranthus viridis* and Their Antibacterial Activity, authors: H. Ullah, M. Hefnawy, Z. A. Baki

The manuscript cannot be published in its present form (reject).

- The manuscript suffers from many weaknesses relating to data presentation, English, organization of discussions, etc.
- The manuscript does not contain information beyond the current state of the art in this field of research;
- The synthesis part is very little and insufficiently described. The authors must give details on the preparation of the extract and nanoparticles with all elements of the experimental procedure;
- Give the Scherrer relation in the text; the lattice constant,  $a$ , must be determined from XRD data and compared to the literature data;
- I think that the diffractogram presented in Fig. 1 does not correspond to the literature data;
- Chapter 3.1, relating to the analysis of UV-Vis spectra, is missing. The text presented in the manuscript is also related to the antibacterial activity;
- The English must be analyzed with great attention in order to correspond to a scientific language in the field. The authors must analyze the whole manuscript in order to better understand the manuscript content.