

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.

Manuscript title: "Synthesis of Nickel Nanoparticles Using Ionic Liquid-Based

Extract from *Amaranthus viridis* and Their Antibacterial

Activity"

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Please find the attached PDF file with comments.

The manuscript describes the extraction of nickel nanoparticles from a plant sample,

- The introduction is weak without a systematic review of previous work.
- The results are not described in a good way and there is no discussion. There are contradictions in particle sizes in the XRD, Zeta, and SEM.
- SEM pictures are not clear and not representable.
- The EDX showed Cl and Ag, which I assume are what gives the antibacterial activities.

I will recommend not publishing the manuscript without addressing these comments, specifically the absence of nickel nanoparticles they claimed to be present.