

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.

"The bioactive components of *Amaranthus viridis* were extracted in the present study using 1-ethyl-3-methyl imidazolium acetate [C3MIM] Ac and a microwave." This is not correct and should be deleted.

The important results should be given in the abstract section.

The importance of secondary metabolites as reducing, acting, and stabilising agents should be indicated using the following references:

DOI: <https://doi.org/10.1081/AL-120039431>

DOI: <https://doi.org/10.1016/j.foodchem.2012.07.086>

DOI: <https://doi.org/10.1007/s00044-012-0297-2>

"According to the Debye-Scherrer equation" should be only the Scherrer equation.

3.7. Anti-bacterial activity

Anti-bacterial activity results should be discussed with the references below:

DOI: <https://doi.org/10.1007/s12668-024-01353-9>

DOI: <https://doi.org/10.1016/j.molstruc.2023.136836>