

Review of: "Phytochemical Analysis and Antioxidant Activity of Extracts from *Berchemia zeyheri* — A Swazi Medicinal Plant"

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Potential competing interests: No potential competing interests to declare.

The introduction includes repetitive information about the plant's uses and distribution.

The introduction mentions that this is the first report of phytochemical analysis and DPPH activity for *B. zeyheri* from Swaziland (now Eswatini), but it fails to discuss the novelty of the research in a broader context.

In the methods section, the exact conditions for extraction (e.g., time, temperature) are not consistently detailed.

Please provide clearer and more consistent details on the extraction processes, including specific times, temperatures, and solvent volumes used.

The discussion lacks depth in interpreting the significance of the findings, particularly the implications of the IC₅₀ values and how they compare to known standards.

The discussion mentions that the extracts have weak to moderate activity, but it could be elaborated on. Are there limitations of the DPPH assay itself for this type of plant extract?

The study fails to adequately compare its findings with previous research, limiting the ability to understand the novelty and significance of the results.

Some minor grammatical errors are present (e.g., "showed weak to moderate radical scavenging activity" instead of "showed a weak to moderate...").