

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.

I was very grateful to have the opportunity to review MK Pillai's manuscript entitled "Phytochemical Analysis and Antioxidant Activity of Extracts from *Berchemia zeyheri* - A Swazi Medicinal Plant" for publication in the Qeios journal.

The authors analysed different extracts from the leaves and barks of this plant to reveal the presence of alkaloids, steroids, terpenes, phenols, saponins, flavonoids, coumarins, proteins, carbohydrates, and glycosides in these extracts (4 solvents for each, leaves and barks). Then they quantified the antioxidant activity of these extracts using the DPPH test.

The study was well conducted and is interesting since it provides new data about this medicinal plant. I have some remarks to enrich the text:

- Some details about the techniques used to reveal the presence of the different molecule families previously cited are needed. The cited reference was also concerned with quantitative analyses. Such information is lacking in the present manuscript.
- DPPH assays were performed in triplicate. Which test was used to determine statistical significances between results? Are the results expressed in means and SD? This must be added to the text and the legend of Table 2.

In conclusion, this manuscript may be edited after the addition of some corrections.