

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

Julius O. Ode

Potential competing interests: No potential competing interests to declare.

My Review on 'Phytochemical Analysis and Antioxidant Activity of Extracts from *Berchemia zeyheri* — A Swazi Medicinal Plant'

Manoharan Karuppiah Pillai¹ and Khombisile H Simelane¹

1. Abstract Line 7: Delete 'of' and 'by' within 'Qualitative of phytochemical analysis was performed by using established methods and procedures.' Should be written as: Qualitative phytochemical analysis was performed using established methods and procedures.

2. Abstract Line 11: Delete 'by' within '-----achieved by using 2,2-diphenyl-1-picrylhydrazyl (DPPH) radical scavenging assay. Should be written as achieved using 2,2-diphenyl-1-picrylhydrazyl (DPPH) radical scavenging assay.

3. Introduction line 3: Delete 'of' within 'Approximately, 52 genera and 925 plants species of are available in this Rhamnaceae family -----'

Determination of IC₅₀ values of various extracts obtained from leaves and stem-bark of *B. zeyheri* collected is a core aspect of your study, include the relevance of IC₅₀ value of an extract for a layman understanding as part of your introduction

4. Introduction line 6 down: et al anywhere must be italicized e.g. Huang et al., 2005; Cheon et al., 2018), Ulian et al., 2019; Bekker et al., 2001; Blunden et al., 2004; Blunden et al., 2006; Amusan et al., 2007; Mkhize et al., 2018 etc. Huang et al., 2005 should be written as Huang *et al.*, 2005.

5. Materials and Methods, 2.2. *Processing of plant material*, Line 2: '-----temperature (26-27) °C for four weeks. Should be written as -----temperature (26-27 °C) for four weeks.

6. Materials and Methods, 2.2. *Processing of plant material*, Line 3: Insert the country of the manufacturer: '-----MRC Laboratory Instruments)' to look like this: -----MRC Laboratory Instruments, China, UK, Germany, or Japan) as the case may be.

7. Materials and Methods, 2.2. *Processing of plant material*, Line 3-4: Insert a space between 290.19 and g: 'A mass of 296.74 and 290.19g powders-----' Should be written as: A mass of 296.74 and 290.19 g powders-----

8. Materials and Methods, 2.3. *Preparation of plant extracts*, Line 1: Insert a space between figure and alphabet: 'A mass of 75.28g ----' should be written as: A mass of 75.28 g ----

9. Materials and Methods, 2.4. *Solvents, reagents and chemicals*:

Insert the countries of the following manufacturers: (Promark Chemicals, country), (Rochelle Chemicals, country), (Sigma-Aldrich, country).

10. Materials and Methods, 2.7. *Statistical Analysis*. Provide the post hoc test you employed to detect differences in the treatment means.

11. The author merged the results with the discussion. Results should be presented separately, while discussion of the findings from the study should be done under a clear sub-heading, Discussion. The discussion can be written in such a way that each paragraph talks about the results of the tests carried out under Materials and Methods. The language of the discussion must flow and, at the same time, be coherent.

I recommend consideration of the manuscript for acceptance after due corrections are made.

Thank you.