Reviewer's report

**Title:** Antioxidant properties of different solvent extract from Carpobrotus edulis (L.) Bolus leaf used for the management of common infections in HIV/AIDS patients in Eastern Cape Province

**Version:** 9  **Date:** 30 August 2012

**Reviewer:** mahassine amensour

**Reviewer's report:**

Plants have been used for years as a source of traditional medicine to treat various diseases and conditions. Many of these medicinal plants are also excellent sources for phytochemicals, many of which have potent antioxidant activities. The aim of the present study were to evaluate and compare the antioxidant activities of four extracts from Carpobrotus edulis leaves and to determine the quantitative phytochemical present in different extracts.

The manuscript is well-written and the findings are of interest to researchers in the same field. However there are some necessary revisions before publication.

- It would be interesting if the authors report another title.

*Methods Section:

- Please, remove this sentences “Each extracts was then weighed to quantify the extraction efficiency”.

- Scavenging activity of 2, 2-Diphenyl-1-Picrylhydrazyl (DPPH) radical:
  To better explain this sentence: 1.0 ml of this solution was mixed with 1.0 ml of aqueous extract in methanol at different concentrations

- 2, 2'-azino-bis (3-ethylbenzthiazoline-6-sulphonic acid (ABTS) scavenging activity:
  Determine the concentration of the extract

- Hydrogen peroxide scavenging activity:
  Determine the concentration of the extract

*Results and discussion section

- Please, follow the same sequence used in the methods section.

- In Table 1, you must present the amount of phytochemical compounds in (mg/g) or the amount of phytochemical compounds in (%).

  - Remove the table 2.

  - In my opinion, the results of the nitric oxide radical scavenging activity are
illogical since the values are greater than 100%.

- Concerning the scavenging activity of 2, 2-diphenyl-1-picrylhydrazyl (DPPH) radical and in the methods section, you talk about the percentage antioxidant activity (AA %), but in the results section you talk about the % inhibition of DPPH radical. This needs a better clarification.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.