Reviewer's report

Title: Medicinal potential of Morella serata (Lam.) Killick (Myricaceae) root extracts: biological and pharmacological activities.

Version: 2 Date: 13 May 2013

Reviewer: Gurinder J Kaur

Reviewer's report:

Minor Essential Revisions

Undoubtedly, the manuscript deals with a current issue related to exploration of plants for antimicrobial agents. As mentioned in the text that this is the first ever report of its kind, hence, it stands fair chances for further research into novel antimicrobial agents. However, certain changes that are needed to be carried out prior to its publication. A few changes had been made into the manuscript itself (File Attached) while rest are as follows:

1. Background section,
2nd paragraph....... Infective diseases.....in most regions
Please state clearly which regions...whether talking about world or a specific country/ region.

2. Methodology Section
Test for Phlobatannins and Flavonoids....... Please specify the quantity of aqueous extract and powdered material used, respectively.

3. Results
No methodology has been provided for estimation of anthraquinones... but a reference to its absence is given in the first paragraph of results.
Either omit it from the results section or mention its methodology if you have evaluated its presence in the plant.

4. Discussion
Please reframe the discussion section. Highlight the results of your own study. Kindly do not just mention earlier reports rather use them to to strengthen your own work and avoid repetition of the results in this section.
Secondly, Try to establish a relationship between the phytoconstituents found in the plant and different antimicrobial activities and support it with previous reports, if any.

5. References
Please follow the same pattern for writing references, i have edited some of them
and make necessary changes to the rest of references. Also provide volume number in reference no. 5 and 26, while journal name is missing in reference no. 36.

6. Table legend should be self explanatory. Kindly mention the units of extracts used in table legend for table no. 2.

7. Figure 1. Please omit 'Graph of' in the legend to figure 1.

Hope you would incorporate and carry out the necessary changes in order to improve the quality of your manuscript.

With best wishes.
Yours sincerely,
Gurinder Jeet Kaur

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

**Quality of written English:** Needs some language corrections before being published

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

**Declaration of competing interests:**

I declare that I have no competing interests.