Reviewer's report

Title: Pharmacological studies on gut modulatory and bronchodilator activities of Amaranthus spinosus Linn.

Version: 1 Date: 23 April 2012

Reviewer: Shaikh Uddin

Reviewer's report:

The manuscript entitled "Pharmacological studies on gut modulatory and bronchodilator activities of Amaranthus spinosus Linn." is an interesting article which evaluated traditional uses of A. spinosus for gut modulatory and bronchodilatory activity on animal model. The manuscript has sufficient merits and scientific outcome in terms of enthopharmacological and complementary medicine research. The manuscript can be accepted in this journal. However, I have some minor comments which should be addressed before publication:

Minor comments:
1. The title need to be changed as "Evaluation of gut modulatory and bronchodilator activities of Amaranthus spinosus Linn." Because author evaluated its traditional uses and confirmed its mechanism of action.
2. In page 4, 3rd paragraph, line 3, needs a reference of the constituents
3. In page 5, the title should be "Materials and Methods" and the sub-title should be divided in to "Plant materials" and "Preparation of crude extracts and fractions" separately
4. In page 5, line 15, please mention original yield as gm with % and same as in fractions yields
5. The sub-heading "Drugs and Animals" should be separated as "Drugs and reagents" and "Animals"
6. The reference section should get more attention because it has lots of formatting issues, example, books reference (ref. no. 1 and 14) are different.

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.

Declaration of competing interests:

'I declare that I have no competing interests'