Reviewer’s report

Title: Evaluation of antihyperglycemic and antinociceptive activity of Xanthium indicum stem extract in Swiss albino mice

Version: 1 Date: 26 August 2013

Reviewer: Nima D Namsa

Reviewer’s report:

Dear Editor-in-Chief

The results provided in this manuscript appear to be scientifically sound but the findings are too preliminary. The manuscript can be accepted with the minor essential revisions. However, the acceptance of manuscript under full-length article or short communication should be decided by the Editor. I have reviewed the manuscript and the comments are as follows:

Minor Essential Revisions

Background

Q1. Do you have any literature reference on the traditional use of plant? Is this information based on any survey that the authors have conducted?

Methods

Q2. Was the 5 min sufficient for bio-availability of acetic acid? Reference followed for statistical calculation should be added.

Results and discussion

Q3. The authors fail to discuss more about their results obtained in anti-nociceptive activity which is potent as compared to aspirin (Table2)

Q4. Though anti-nociceptive activity of leaf has been reported previously. However, the authors claimed that the first report of stem extract on anti-hyperglycemic and anti-nociceptive potentials. What is the new results they have obtained using stem extract as compared to leaf of this plant be discussed.

Q5. A suitable code should be used for indicating Group 3-6 animals instead of repeated used of X. indicum (Tabel 1 and 2).

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:
Nil