Reviewer's report

Title: Therapeutic Effects of Hydro-Alcoholic Extract of Achillea Wilhelmsii on Indomethacin-Induced Gastric Ulcer in Rats: A Proteomic and Metabolomic Approach

Version: 2 Date: 12 Jun 2019

Reviewer: A.H.M. Khurshid Alam

Reviewer's report:

Mehdi et al described the effects of Hydro-Alcoholic Extract of Achillea Wilhelmsii on Indomethacin-Induced Gastric Ulcer in Rats. Their findings were interesting. However, the authors need to address the following queries before accept it into this journal.

1. The author mentioned Hydro-alcoholic extract of Achillea Wilhelmsii. I do not think it was Hydro-alcoholic extract, because the flowering branches of the plant were soaked in a sufficient amount of ethanol at 50°C for 24 hours and during this period, it was shaken alternatively (page 8, lines 97-99). Then the ethanolic extract was just dissolved with water to administered........ I think it does not mean the extract was Hydro-Alcoholic. Author must clarify this.

2. The authors checked mRNA expression of some genes but not protein by real time PCR. It should be corrected throughout the manuscript.

3. I do not find any control (positive) drug, which is important to compare the effect of the extract of Achillea Wilhelmsii.

4. Did the author check sub-acute toxicity test of the extract to select the dose?
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I have no competing interest

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal