Author's response to reviews

Title: Antinociceptive and anti-inflammatory activities of Geranium bellum and its isolated compounds

Authors:

Claudia Gonzalez (cvg09@yahoo.com)
Raquel Cariño (raquelcarcortes@gmail.com)
Juan A Gayosso (gayitojuan@yahoo.com)
Mario I Ortiz (mario_i_ortiz@hotmail.com)
Minarda De la O (minidelao@hotmail.com)
Diana A Altamirano (baezaltaandrea@hotmail.com)
Luis Jimenez (luis.jimenez@ieee.org)
Mirandeli Bautista (mirandeli@hotmail.com)

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Author's response to reviews: see over
In response to your e-mail of date 21/08/2014 we are submitting a modified version of our paper:
MS: 1726423595103322
Title: Antinociceptive and anti-inflammatory activities of Geranium bellum and its isolated compounds.
Authors: Claudia Velázquez, Raquel Cariño, Juan A Gayoso, Mario I Ortiz, Minarda De la O, Diana A Altamirano, Luis Jimenez and Mirandeli Bautista

We have addressed all the referees’ comments by correcting all references citations and adding some sections and clarifications, which will be detailed below. We are aware that this version will follow through a new review process.

Reviewer: Lucia Helena Faccioli.
In this manuscript the authors described the anti-inflammatory and anti-nociceptive action of acetone-aqueous extract of Geranium bellum (AGB), using four different methods. After purification, they identify quercetin, corilagin, geraniin and ellagic acid, as the main secondary metabolites with biological activities. Although in the literature there are several articles showing the anti-inflammatory and analgesics propriety of the same secondary metabolites described in this article, it is the first time of description of the action of G. bellum and its metabolites.

However, the manuscript needs serious corrections:

1. Almost of all references used are incorrect. Some are missing in the end.

We have corrected the order and format of the references in all sections.

2. The descriptions of results are confusing, and not clear which animal was used (rats or mice) in each experiment. There are not concordance between material and methods and results in these topics.

Information of animals used in each experiment was added in the section of material and methods. We have corrected the second aspect.

3. There are several mistakes spelling in the text.

The paper was revised by an English-speaking person with academic experience in technical writing.

4. Please, after used for the first time the abbreviation AGB, is necessary use it in all text.

We have corrected this suggestion.
5. After used Geranium bellum for the first time, is the rule to use only G. bellum.

We have corrected this suggestion.

6. All figures subtitles need to include the animal species and the number of animal used.

We have added this information in all figures.

7. The paragraph ...Phytochemical studies...(ABTS[5], is confused.

We have corrected this paragraph.

8. Explain the relationship between the guidelines for use and care of laboratory animals, with the reference number nine.

It was our mistake. We have corrected this reference.

9. Please include more references about anti-inflammatory actions of ellagic acid.

We have added a representative set of references about anti-inflammatory actions of ellagic acid.

Reviewer: Neda Adibpour

Minor Essential Revisions:

1. It is better to report the exact p-values whenever it is possible. The authors just reported the significance of the effect as p-values less than 0.05.

We have added the exact p-values.

2. Some repeated statements about what the authors have done in their study was placed at the beginning of each section that describe the results of different method of antinociceptive effect assessment e.g. page 8 paragraph 3.

We have summarized at the end of the paper the information about what the authors have done in their study.

Editorial comments:
- Please remove your table from the figures uploaded into our submission system, and instead include this at the end of your manuscript file.

We have corrected this suggestion

Please ensure that your Competing Interests section is formatted in accordance with our formatting guidelines. Details on these can be found through the following link:
We have corrected this suggestion.

In your Background section you detail a number of the chemical components of *Geranium bellum*. We would ask you to please expand this section to explain why you believe these constituents would mean that you would expect extracts of this plant to have antinociceptive and/or anti-inflammatory effects.

We have added information in the Background section.

- Thank you for including an ethics statement in your manuscript. However, we would ask you to include the full name of the committee that approved your study in this statement.

The name of committee has been specified in the text.