Reviewer's report

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

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Reviewer: Lucia Helena Faccioli

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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.
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.
3. There are several mistakes spelling in the text.
4. Please, after used for the first time the abbreviation AGB, is necessary use it in all text.
5. After used Geranium bellum for the first time, is the rule to use only G. bellum.
6. All figures subtitles need to include the animal species and the number of animal used.
7. The paragraph …Phytochemical studies… (ABTS [5], is confused.
8. Explain the relationship between the guidelines for use and care of laboratory animals, with the reference number nine.
9. Please include more references about anti-inflammatory actions of ellagic acid.
10. Please, re-write the manuscript.