Reviewer’s report

Title: Anti-inflammatory and cytotoxic evaluation of extracts from the flowering stage of Celosia argentea

Version: 1 Date: 29 Jul 2019

Reviewer: Guan-Jhong Huang

Reviewer's report:

Comments for the Attention of the Author(s)

In this manuscript, the author's reports "Anti-inflammatory and cytotoxic evaluation of extracts from the flowering stage of Celosia argentea". This article focuses on the traditional use of C. argentea for painful inflammatory conditions and encourage its possible use as lead for the development of novel, non-toxic, anti-inflammatory agents. The paper is presented in detail, and the results are carefully discussed.

Major comments:

There are some points should be checked are followings:

1. HPLC must be used to identify compounds of different extracted Celosia flowering stages.

2. The authors should show the mechanism of the Anti-inflammatory and cytotoxic activity of the flowering stage of Celosia argentea.

3. In the results and discussion: the author should strengthen the results of the research in the field of mechanisms.

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.

Yes

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.

Not relevant to this manuscript

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

Needs some language corrections before being published

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