Reviewer’s report

Title: Phytochemical, In-Vitro Biological and Chemo-preventive Profiling of Arisaema jacquemontii Blume Tuber Extracts

Version: 0 Date: 16 Apr 2019

Reviewer: Hari Prasad Devkota

Reviewer's report:

After reviewing the manuscript entitled "Phytochemical, In-Vitro Biological and Chemo-preventive Profiling of Arisaema Jacquemontii Blume Tuber Extracts", I would like to suggest reviewers to make following changes in their manuscript:

1) Title: 'Arisaema Jacquemontii' should be corrected as 'Arisaema jacquemontii' and the author name Blume should not be in italics.

2) Abstract should be rewritten to make it more clear to understand. The background is not complete as authors can mention the necessity of this research. Methods should be explained in little more detail. Please keep comma (,) before respectively in whole manuscript. There should be one space before unit i.e. Line 59, 12.5±1.77mm should be ..1.77 mm and similar throughout manuscript.

3) There are many typographical errors such as 'phytochemical a, antioxidant potentaial and cytotoxic/chemopreventive activities of Arisaema jacquemontii' a after phytochemical?? potential is spelled incorrectly, cytotoxic is spelled incorrectly, etc. Please check the manuscript carefully before submission of revised form.

4) Background: Second paragraph, please mention the complete scientific name of plant Arisaema jacquemontii Blume and family.

5) Page 4, authors used 11 different solvents of different polarity (either single solvent or mixtures of two solvents). I wonder why did they not use water as water or hot water is used to formulate many traditional medicines. Table 1 has list of solvents that are said to be grouped from non polar to polar but as per my knowledge acetone is more polar than ethyl acetate. I think it is better to mention their polarity index and order them properly. For example, mixture of methanol and ethyl acetate will be less polar than methanol only. Also mention the ration of solvent in mixtures. I hope it is 1:1.

6) Page 5, Line 4, Tape water to Tap water.

Line 27, Previously. Briefly

7) Page 5, Line 46 is not clear. I hope they mean to write was determined by using the method
reported previously.

8) There are many mistakes like 'by previously'. Correct all.

9) Remove Cytotoxicity assay at Page 7.

10) Results: table 1, please use uniform digits after decimal i.e. either two or three digits in all uniformly.

11) Page 15, Line 59 (Cepla\eanu et al., 1994 should be numbers as uniform referencing style.

12) Table 2, correct microorganism names such as E. aerogens (add space in between), and start species name with small letter. Same for Table 3 and text.

13) Table 4. remove % after HL-60

14) Fig. 1, Y-axis: DPPH

Other comments:
Please reduce similarity to authors' previously published papers as few sentences are same.

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.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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 declare that I have no competing interests.

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