Reviewer’s report

Title: Anti-inflammatory effect of Vaccinium oldhamii stems through inhibition of NF-κB and MAPK/ATF2 signaling activation in LPS-stimulated RAW264.7 cells

Version: 0 Date: 13 Sep 2019

Reviewer: Yogesh Kulkarni

Reviewer's report:

Authors have studied anti-inflammatory effect of Vaccinium oldhamii in cell lines. The manuscript requires rearrangement of sections and some changes before consideration for publication.

Comments-
1. Authors may have used 'stem' extract in the study, they have used the term 'branch'. The term 'branch' should be replaced with 'stem'.
2. Abstract of the manuscript is not mentioning use of leaf, fruit and extracts for the study. Abstract must be properly revised.
3. What was the basis for screening extracts in inflammation? Proper justification is required to be added for selecting the plant extracts for anti-inflammatory study.
4. In methods section, the heading 'Sample preparation' should be replaced with "Preparation of extracts".
5. Page 5, line 48, the wording "ethanol-soluble fraction" should be replaced with "ethanol extract".
6. In methods section, authors must cite references for DPPH activity, total phenolics estimation, Griess assay and MTT assay etc.
7. Page 10, heading "Analysis of bioactive components" should be replaced with "Analysis of extracts". This section should be placed after section of "Preparation of extracts".
8. How authors have identified compounds in extracts in HPLC? Whether any marker compounds were used?
9. Why only branch/stem extract was analysed by GCMS and HPLC?
10. Why leaf and fruit extracts were not included in all investigations?

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 recommend additional statistical review

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

Acceptable

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