Author's response to reviews

Title: Evaluation of Phytochemical content, antimicrobial, cytotoxic and antitumor activities of extract from Rumex hastatus D.Don roots

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Author's response to reviews: see over
Thank you for consideration of our manuscript for publication in your journal. We have reviewed the above manuscript according to your reviewer’s comments.

Reviewer's report: (Md. Faruk Hasan)

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests: 'I declare that I have no competing interests

The reviewer agreed with author and accepted the paper in the present form.
Reviewer's report: 2 (Aisha Ashraf)

Major compulsory revisions

1. Mention the method names clearly, not only the activity names in abstract.
   
   Response: Activity names are included in the abstract.

2. Name of bioactive compounds like alkaloids should be in small letters.
   
   Response: Name of bioactive compounds like alkaloids are changed in small letters throughout the paper.

3. Name of species should be italic all over the manuscript.
   
   Response: Revised as suggested

4. Add some latest citations especially in anti-tumor assay.
   
   Response: A current reference is included as below in the citation of anti-tumor assay.


5. Why MIC values were not indicated in triplicates?
   
   Response: MIC values are now indicated in triplicates

6. Standard error is very high in Table. 4, it is objectionable from statistical view point, kindly repeat the experiments to get accurate results with low errors or justify the reason for high error.
   
   Response: We checked the crude and revised in the manuscript accordingly. Actually it was typographic error.

7. Method for the calculation of standard error should be mentioned in statistical analysis.
   
   Response: We used Graph prism Pad for this purpose.
8. In Table. 5, the heading should be % inhibition of tumors, rather than % mortality.

   Response: The heading is replaced.

9. Name of positive control should be mentioned in Table. 4 and Table. 5.

   Response: Positive control names are added.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

   Response: Revised the whole paper.
Reviewer's report 3 (Jean-de-Dieu TAMOKOU)

The manuscript reports the phytochemical analysis, antimicrobial, antitumor and cytotoxic activities of extracts from *R. hastatus* roots.

Specific suggestions are as follows:

1) There is much literature on Rumex sp. that should help the authors in writing the background and discussion section for their work.

   Response: Revised accordingly.

2) The authors should also give relationship about traditional usage and the results.

   Response: Added

3) There are some typological errors throughout the manuscript.

   Response: Manuscript was evaluated with help of senior professor of English Department of our University to remove the typological errors.

4) Line 103: Objectives have been poorly written.

   Response: Objectives are revised.

5) Phytochemical analysis: Can the authors summarize this section with appropriate references?

   Response: Section is summarized with appropriate references.

6) Authors should amend their manuscript to state the origin of microbial strains, erythromycin, nalidixic acid and DMSO.
7) The positive controls should be specified and included in the cytotoxic and antitumor tests

Response: Positive control is added.

8) Results and Discussion: The authors need to scientifically present and discuss this section.

Response: We revised the section scientifically as suggested.

9) The conclusion should be revised to make it more professional and to summarize it.

Response: Conclusion is revised.

10) The statistical analysis should be included in tables 3, 4 and 5

Response: Statistical analysis is included.

11) Please ensure that your tables are correctly formatted in accordance with the formatting guidelines of the Journal.

Response: Tables are formatted.

12) Please correct the typological errors throughout the manuscript.

Response: Manuscript was evaluated with help of senior professor of English Department of our University to remove the typological errors.