Review of: "Phytochemical Contents, GC-MS Analysis and Hepatoprotective Effect of the Methanol Leaf Extract of Camelliasinensis (L.) Kuntze on Paracetamol-Induced Liver Injury in Wistar Rats"

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Potential competing interests: No potential competing interests to declare.

I congratulate the team involved in this very significant study for human health, as this plant species is widely consumed throughout the world. The results found are important, but some modifications must be made to make the work more robust and coherent. The use of

1. **title**: suggestion to change the title. Remove information about the mechanism of action from the title and leave only information about the results found.
2. **Abstract**: Improve the writing of the methodology, include the species of animals used, how many animals per group, and enter the ethics committee approval number.
3. **Introduction**:

- Improve the writing of the introduction and answer the following questions: Why study a new therapeutic source to treat liver damage? What medications are used to treat liver damage? What characterizes a liver injury?
- Update references used in the introduction.

1. **Materials and Methods**:

- 2.7. Experimental animals: Place the approval number of the ethics committee for animal research at the end of the text.
- 2.12. Statistical Analysis: What analysis was used to check whether the data were parametric or non-parametric? Why use the Dunnett post-test and not the Tukey post-test? Answer these questions in the text of the statistical analysis.

1. **Results:**

- Indicate in the caption of tables 4 and 5 what the * means. Indicate the group being compared.
- 3.4. Histopathological examinations of the liver of rats: Improve the images in figure 3. Take other clearer photos where it is possible to observe the cellular structures. The photos shown are of low quality.

1. **Discussion**: Reduce paragraph size. Improve writing. The first paragraph provides information for the introduction and not for the discussion of the work. The results found at different doses, in pre-treatment and post-treatment with the

extract should be further discussed. If there are already other studies with other extracts that demonstrated the same activity on liver damage, why study the Methanol Leaf Extract of Camellia Sinensis? This question must be answered in writing the work discussion.

2. **Conclusion**: Improve writing. The results found are not enough to confirm a therapy with a predicted mechanism of action. Be more careful in the conclusion.

I suggest that the requested changes be made. Improve the writing of all work.