

# Review of: "Toxicological evaluation of aqueous extracts of *Clematis hirsuta* and *Rhamnus prinoides*"

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**Potential competing interests:** No potential competing interests to declare.

The manuscript entitled "Toxicological Evaluation of aqueous extracts of *Clematis hirsuta* and *Rhamnus prinoides*" sought to show the possible toxic effects of aqueous extract of *C. hirsuta* and *R. prinoids*, plants commonly used in Asia and Africa.

I think the manuscript has nobility and is wanted by readers because it is the first study on target species. However, some aspects need attention.

Part of introduction could be improved in more detail related to the current state of knowledge and mention whether other compounds of the studied plant were analyzed in humans or animals.

Regarding materials and methods, extraction procedure is not clear. The authors could include details on toxicological, hematological and biochemical analyzes. Also about histopathological analysis. Histopathological analysis is essential to verify possible systemic and long term effects. The authors chose to use female rats. However, it would be prudent to experiment in males and females as recommended by protocols such as OECD.

The authors could provide a comprehensive discussion about the results obtained from extracts in biochemical and hematological parameters, as well as the relationship with chemical elements present in plant specimens. This could contribute to the clarification of the possible responsible for the observed effects such as the reduction of feed and water consumption or weight gain.

Conclusions could be improved by mentioning some recommendations on the perspectives of this central.

Reference format in this article is inconsistent. The authors could update the references.