

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.

Authors evaluated the safety of *Clematis hirsuta* aqueous leaf and *Rhamnus prinoides* aqueous root extracts in rats.

The experiments are rigorous and performed on a significant number of animals. However, the significance of these findings is difficult to assess because the chemical composition of the extracts has not been determined. Before studying the toxicity of any natural extract, it is necessary to perform its chemical characterization in order to identify the type and concentration of bioactive molecules present. This then allows the bioactivity and/or the toxic effect of the extract to be correlated with its chemical composition. Therefore, in this case, since the chemical characterization of the two extracts has not been performed, their lack of toxicity could be due to the absence or too low concentration of the biomolecules present. For this reason, before considering this paper for publication it is necessary for the Authors to evaluate the chemical composition of the extracts.