

# Review of: "[Review Article] A Comprehensive Overview on Pharmacological and Therapeutic Insights of *Solanum nigrum* Linn"

Klev Gaïtan Sikam

Potential competing interests: No potential competing interests to declare.

This article, entitled "A Comprehensive Overview on Pharmacological and Therapeutic Insights of *Solanum nigrum* Linn," highlights previous work on the chemical and pharmacological aspects of *Solanum nigrum* Linn. After reading, we propose some points to the authors to improve the quality of this review.

1. How can compounds be isolated, characterized, and identified using only extraction methods and not characterizations?
2. I suggest that the authors rephrase the abstract using simple sentences.
3. The isolated structures must be identical in form, font, and size; use software to draw them rather than images.
4. Why did the authors choose to depict only some structures and not all the isolated compounds from this plant up to now?
5. Which class of compounds could be considered a chemotaxonomic marker for this plant?
6. Can the authors propose a biogenetic link for the isolated compounds from this plant?
7. The chemical part should be discussed in detail, similar to the biological part; this is a review, and we would like to know which compounds are responsible for the biological activities of *Solanum nigrum*.
8. All results from chemical and biological research should be included in the results and discussion section.
9. I suggest a thorough review by the authors to correct errors, typos, and run-on sentences.
10. It is necessary to conclude the paper.