

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

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Potential competing interests: No potential competing interests to declare.

The manuscript titled "A Comprehensive Overview on Pharmacological and Therapeutic Insights of Solanum nigrum Linn" provides a comprehensive overview of the pharmacological and medicinal significance of Solanum nigrum, a traditional Chinese bush widely recognized for its therapeutic activities in Indian and Chinese systems of medicine. The authors effectively synthesize findings from scholarly reports over the past three decades, consolidating evidence from various internet sources and publications. Overall, this overview convincingly underscores the multifaceted pharmacological properties of Solanum nigrum and its relevance in contemporary healthcare. However, it requires a few revisions before publication.

1. The introduction provides a good overview of the historical significance and distribution of Solanum nigrum. However, it would be beneficial to clearly define the sections within the review, such as separating the botanical description from the research methodology to enhance readability.
2. The methodology section outlines the search strategy and selection criteria, which is commendable. However, it would strengthen the review if you provided more details on the criteria used to assess the relevance of the 510 publications and the rationale for selecting the final 109 documents for analysis.
3. Tables 1 and 2 provide valuable summaries of the botanical description and taxonomy of Solanum nigrum, respectively, but the references for the separate sections discussed are missing. Including references would enhance the transparency and credibility of the information presented, allowing readers to trace the sources of the data and findings outlined in the tables.
4. Throughout the manuscript, several sentences lack references to support the claims made. Authors need to provide appropriate citations to substantiate the information presented and to acknowledge the sources from which the information is derived.
5. The authors have mentioned clinical trials in the manuscript; however, specific information about these clinical trials, such as the NCT (National Clinical Trial)

number, is not provided. Therefore, the authors are advised to provide the appropriate NCT numbers or any other relevant identifiers for the clinical trials referenced in the manuscript. This will enhance the transparency and credibility of the research findings.

6. In 3.5, the author had mentioned MCF instead of MCF-7.

7. The manuscript needs significant editing for English and grammatical errors.