

# 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.

## 1. Introduction

The use of plants as a source of therapeutic agents has been a cornerstone of traditional medicine for millennia. Space is required here between "millennia" and "Solanum."

## 3.2. Hepatoprotective activities

S. Sultana et al. (1995): *et. al.*, will be in italics.

*Culex quinquefasciatus*: italics

## 3.12. Anti-ulcer/gastritis activities

M. Akhtar et al. (1989) investigated three plants to study their antiulcer activity against an aspirin-induced gastric ulcer in rats (male albino rat, 170-200 gm). The methanol extract of *S. nigrum* significantly decreased pepsin levels and gastric pepsin content. The results showed that the acid content was reduced in rats treated with SN methanolic and aqueous extracts. The results suggest that due to its anti-ulcerogenic effect, acid and pepsin outputs decrease, enhancing gastric mucosal strength. Please mention the three plants that were used.

## 3.13. Anti-oxygenic activities

Padmashree et al., (2014): Mention ethyl acetate % solution too.

Overall, the manuscript is good and crisp. However, there are a few more inputs that would make it helpful to other researchers who may be using it for future reference and for the reviewer too.

1. Please try to add dose levels and animal species on which testing was done.
2. Solanine is a potent toxin. It needs to be discussed and how to prevent toxicity as published in the literature. An example is: **"The leaves and the immature green berries of this plant are poisonous to humans and animals."** They contain an alkaloid known as solanine. Symptoms of poisoning include abdominal pain, vomiting, diarrhea, and possible death. Once the berries mature and turn black, the fruits are edible, in limited quantities. Link: <https://plants.ces.ncsu.edu/plants/solanum-nigrum/#:~:text=The%20leaves%20and%20the%20immature,are%20edible%2C%20in%20limited%20quantities.>
3. Please make an overall general re-check for plagiarism before final publication.

