

# 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 submitted by Dr. Alireza Tavassoli and colleagues was evaluated with the following comments:

The manuscript has been written quite well and almost free of typographical errors, and it is well organized. However, my major concerns are as follows:

The manuscript does not seem to be suitable for publication in the Journal of Fertility. The content is suitable for a pharmaceutical and/or phytochemical journal. In addition, the following questions need to be addressed:

- a. What does it mean by "extract of 100mg/ml"? 100mg/ml of culture medium? After concentrating an extract, we usually weigh the residue and say that we have got X grams of residue from Y grams of plant extract. If the authors have used 100mg of residue per ml of medium, the potency is not good.
- b. What was the concentration of DMSO in the culture medium of the treated cells?
- c. How about the DMSO concentration for the untreated (control) cells?
- d. L213: Each cell lysate sample should first be subjected to SDS-PAGE, then the resolved bands will be transferred to a PVDF filter paper: this process needs to be added to the relevant section in the materials and methods section.
- e. The text on the Y-axis of Fig. 3 is not clear. It needs adjustment.

If the respected editor does not mind publishing the paper, my decision on the submitted manuscript awaits the authors' responses to the comments, in other words, the manuscript is acceptable along minor revisions.

With best regards,

R. Yazdanparast

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