

# Review of: "The use of Phytochemical, GC-MS Analysis and Hepatoprotective Effect of the Methanol Leaf Extract of *Camellia Sinensis* (L.) Kuntze on Paracetamol-Induced Liver Injury in Wistar Rats"

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**Potential competing interests:** No potential competing interests to declare.

The first part of the study was not novel, and a similar study was done on the methanolic extract of *Camellia sinensis* (L.) Kuntze leaves recently, and there have been a few more before that. Acute toxicity studies on the leaves have also been conducted. Hence the need to change the title. Instead of highlighting these keywords GC-MS, toxicity studies, total phenolic, total flavonoid, it is best to highlight the mechanisms of the hepatoprotective effect of the plant.

**Introduction:** Needs work on the introduction

**Materials and Methods:**

1. Animal ethical approval should be supplied.
2. Methodology for identification of chemicals may not be sufficient. In tea analysis, tannin content is important to differentiate quality.
3. For the hepatoprotective effect, why were there no studies on the antioxidant capacities, i.e., SOD, GPx, and CAT levels?

**Results:**

1. Calibration curve for flavonoid content is not acceptable.
2. Parameters are not sufficient to determine the mechanism of action on how the extract protects the liver from paracetamol-induced injury.

Discussions are not tight due to the lack of science in this study. Thus, not much can be concluded. Overall, this study lacks originality.