

Review of: "Evaluation of Antioxidant Activity and α -Amylase Inhibitory Potential of *Melilotus indicus* Ethanolic Extract: An In Vitro and In Silico Study"

Ankit Kumar¹

¹ Indian Institute of Technology Kharagpur

Potential competing interests: No potential competing interests to declare.

The manuscript lacks a novel scientific approach. There are a few grammatical as well as technical errors. Please reframe the manuscript incorporating all the suggestions given below to make it publishable.

Abstract: change "0.49 mg/g $\pm$ 3.818" to "0.49 $\pm$ 3.818 mg/g"

Figure 1: convert the sequence to leaves and flowers as the figure of the leaf is shown first.

2.4.1: "Erenler et al. (DPPH)" please write the year instead of DPPH. Write 30 minutes instead of (0.5) hours, or write 0.5 hour directly without brackets.

In the formula of DPPH, please make a correction: please write "I" first, then explain its meaning as inhibition of DPPH.

Please mention the statistical tools used for statistical analysis. Please reframe the statistical analysis part with more explanation.

In 2.5.2: write "first" instead of (1st).

The extraction yield is too high. Generally, such a large yield is not obtained in solvent extraction. Please justify your result with previous papers. Write section 3.1 as extraction yield.

In section 3.3, please explain properly the significance of the p-value as it is above 0.05.

Please mention the amount of phenolic and flavonoid compounds present in the *Melilotus indicus* extract from some previous literature to justify whether these compounds are prominently present in your extract. Please justify why only these particular compounds were taken for the docking study.

Please reframe all the results parts properly; they lack scientific coherence.

The conclusion is too short and needs proper revision.