

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

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Potential competing interests: No potential competing interests to declare.

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

The authors need to address the following comments:

Q1: The authors need to explain what is new in this study.

Authors should clearly mention in this manuscript how their research is different from other reports and what new knowledge has been generated through this research regarding the docking method and antioxidant activity of Melilotus indicus that is not reported in the literature.

Q2: The discussion is inadequately written. It would be beneficial to compare and contrast the results and discussions of Table 2 and Table 3 with other research works to enhance the quality of the paper.

Q3: The author has explained the Result of 2.3. Determination of flavonoids content (data or graphical figure or histogram).

Q3: The authors would like to add this reference to support this docking method with more recent references.

Eg. Despite the promising docking scores obtained for chlorogenic acid, acarbose demonstrated the best results (Ref???)

Eg. Compared to acarbose, a pseudotetrasaccharide, Melilotus indicus has gained particular attention as a highly effective inhibitor of intestinal α -glucosidases and α -amylase (Ref???)

Q4: The manuscript exclusively discusses in vitro studies that investigate antioxidant activity (Radical (DPPH) scavenging capacity), without addressing other antioxidant parameters. Why?

Q5: More justification has been added to the conclusion section, making this manuscript even better.

The writers may make small and substantial changes, and the discussion and conclusion sections will be written in detail with appropriate references. This manuscript is acceptable.

