

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

Sardar Hussain¹

¹ University of Agriculture Faisalabad, Pakistan

Potential competing interests: No potential competing interests to declare.

Dear Scholar,

The abstract is precise; you can include the research gap or need for the study or why you selected *Melilotus indicus*. What is the necessity for screening novel inhibitors for alpha amylase and their role in the management of diabetes? Elaborate on the discussion part claiming the protective role of chlorogenic acid and kaempferol. Discuss and cite similar studies to support your evidence.

Sun, C., Wang, T., Wang, C., Zhu, Z., Wang, X., Xu, J., & An, H. (2022). The Protective Effect of Kaempferol Against Ischemia/Reperfusion Injury Through Activating SIRT3 to Inhibit Oxidative Stress. *Brazilian Journal of Cardiovascular Surgery*, 37(3), 335–342. <https://doi.org/10.21470/1678-9741-2020-0549>

Identification of a Novel α -Amylase Inhibitory Activity Peptide from Quinoa Protein Hydrolysate

Author links open overlay panel Haochun Zhou, Bushra Safdar, He Li, Lingyu Yang, Zhiwei Ying, Xinqi Liu

Provide the table for phytochemical analysis.-

Table for the result of phytochemical tests, flavonoid present or absent

Include a graph and image for the DPPH assay.- Please provide in section 3.3 if done by the scholar

Please cite 3.1 where you claim the yield; cite the methodology.

In docking studies, you claim two compounds show binding. Also, add the cytochrome inhibitory assay *in silico* ADME.

[\[PDF\] from researchgate.net](#)

[Molecular docking and theoretical evaluation of ADMET properties of senkirkine, a pyrrolizidine alkaloid as potential](#)

cyclooxygenase (COX-1, COX-2) inhibitor

Molecular Docking Analysis of Doronine Derivatives with Human COX-2

Sardar Hussain,^{1,*} Chandrasekharan Guruvayoorappan,^{2,*} KP Komal,³ and Sreenivasa Ennaganti⁴

The result and discussion section has to be elaborative.

The researcher should furnish by which method he got the yield; please cite.