Review of: "Expansion of the Experimental Antifungal Activities Through in Silico Docking Study of Compounds From Albizia Lebbeck"

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Potential competing interests: No potential competing interests to declare.

The current study, titled “Expansion of the Experimental Antifungal Activities Through

in Silico Docking Study of Compounds From Albizia Lebbeck,” deals with an important subject. It directs mainly towards computational studies for the antimicrobial properties of 14 natural compounds isolated from the titled plant.

Computational studies can predict the bio-properties or support and/or explain the mode of action. The study intensively dealt with docking studies utilizing two PDB files: 5TZ1 and 5FSA, both of which are sterol 14-alpha demethylases. Minor revisions can enhance the impact of this study.

Biochemical testing for compounds 2 and 7, with assigned antimicrobial properties, and the correlation between the docking observations from one side and the bio-properties (including biochemical and in-vitro antimicrobial properties) from the other side, can support the hypothesis towards the mode of action.