

PEER-REVIEW REPORT

Name of journal: *World Journal of Experimental Medicine*

Manuscript NO: 88378

Title: Exploring the mechanism of action Bitter Melon in the treatment of Breast cancer by network pharmacology

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03017455

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2023-09-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-09-22 13:38

Reviewer performed review: 2023-09-23 04:34

Review time: 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript titled "Exploring the mechanism of action Bitter Melon in the treatment of Breast cancer by network pharmacology" provides an interesting exploration of the potential therapeutic effects of Bitter Melon against breast cancer using network pharmacology methods. The study employs various databases and analytical tools to identify key ingredients, protein targets, and signaling pathways involved in this potential therapeutic effect. Overall, the manuscript is well-structured and provides valuable insights into the topic. However, there are several areas that require clarification and improvement. Specific Comments: 1. The background information on the use of Bitter Melon against breast cancer is minimal. Providing more details and references about previous research in this area would enhance the introduction. The following relevant references are suggested to be added for further supplementation (PMID: 37415164, PMID: 34272359 et.al): 2. Discuss the limitations of the study. Are there any potential biases or uncertainties in the data sources or analytical methods used, especially molecular docking? 3. The manuscript generally reads well, but some sentences could benefit from improved clarity and conciseness. Ensure that complex



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concepts are explained in a straightforward manner.