

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 89564

Title: Emerging and multifaceted potential contributions of polyphenols in the management of type 2 diabetes mellitus

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00214267

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Chile

Manuscript submission date: 2023-11-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-11-06 02:59

Reviewer performed review: 2023-11-14 11:37

Review time: 8 Days and 8 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Yes <input 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

This is a comprehensive review of the literature regarding the potential contributions of polyphenols in the management of type-2 diabetes mellitus. The author reports the underlying biochemical mechanisms and the manuscript is well-written. This is an interesting work and I congratulate the authors for their effort. I have the following recommendations: 1. Since this review has focused on the effects of polyphenols in the prevention and management of T2DM, the description about the detailed biochemical mechanisms of T2DM should be shortened. More description should be focused on the polyphenols and T2DM. 2. A method section including the search strategy, inclusion and exclusion criteria, etc, will be better. 3. Consider adding schematic images alike figure one which is extremely good. 4. Spell out the abbreviation when first appear.