

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 76095

Title: Preparation and hypoglycemic effects of chromium- and zinc-rich *Acetobacter aceti*

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06058900

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2022-03-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-07 08:59

Reviewer performed review: 2022-03-23 00:09

Review time: 15 Days and 15 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 Grade E: Do not publish
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: [☒] Anonymous [☐] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

The pain and burden of diabetes and its complications are major health and socioeconomic concerns for people all over the world. Diabetic patients may always be challenged by some serious complications, such as diabetic nephropathy, diabetic retinopathy, cardiovascular system disease, which pose a serious threat to human life and health. The effect of bacterial metabolites in reducing blood sugar is not fully demonstrated in the aforementioned healthy drinks for the two components therein are not bacterial metabolites. In this study, the authors provided a method for preparing and applying chromium- and zinc-rich acetobacter aceti. The study is very well designed. The methods were described in detail. The results are very interesting and well discussed. A minor revision is required: (1) The manuscript requires a minor editing. Some minor language polishing should be corrected. (2) Please replace the figures 2 and 4, the Chinese words should be replaced. (3) The limit of the study should be discussed. (4) A conclusion should be listed in the main text. (5) In the discussion section, the study interpretation and generalisability is mentioned. However, the experiment needs to be repeated in a model more suited to Type 2 diabetes. Statements regarding limitations and sources of bias need to be mentioned.

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Title: Preparation and hypoglycemic effects of chromium- and zinc-rich *Acetobacter aceti*

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06058856

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2022-03-01

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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
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 checked="" type="checkbox"/> Accept (General priority) <input 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: [☒] Anonymous [☐] OnymousConflicts-of-Interest: [☐] Yes [☒] No**SPECIFIC COMMENTS TO AUTHORS**

This is an interesting study which explored the method for preparing a new type of chromium- and zinc-rich acetobacter aceti and its hypoglycemic effect, in an attempt to enhance the application of probiotics in the treatment of diabetes. The study is well performed and the results are very interesting. The reviewer recommends to accept this study for publication after a minor editing. Please take attention to the figures, Chinese words should be replaced. And the reference list should edited.

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Title: Preparation and hypoglycemic effects of chromium- and zinc-rich *Acetobacter aceti*

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06058822

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: China

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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



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

In this study, the authors explored the preparation and hypoglycemic effect of Chromium- and Zinc-rich *Acetobacter Aceti*. And it can be used as a candidate drug for the treatment of T2DM. The methods of the study are very detail, and results are well displayed. A minor revision is required, such as, a short background should be added to the abstract, figures should be updated (please remove the Chinese words), minor language editing is required. Thank you.