

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 79530

**Title:** Salvia miltiorrhiza extract may exerts an anti-obesity effect in high-fat diet-induced obese rat by modulating gut microbiome and lipid metabolism

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 04213605

**Position:** Peer Reviewer

**Academic degree:** BSc

**Professional title:** Teaching Assistant

**Reviewer's Country/Territory:** Singapore

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-08-25

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-08-25 10:20

**Reviewer performed review:** 2022-08-25 15:43

**Review time:** 5 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 Grade E: Do not publish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 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 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



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<b>Peer-reviewer statements</b>	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

1 Title. Does the title reflect the main subject/hypothesis of the manuscript? Yes 2  
Abstract. Does the abstract summarize and reflect the work described in the manuscript?  
Yes 3 Key words. Do the key words reflect the focus of the manuscript? Yes 4  
Background. Does the manuscript adequately describe the background, present status  
and significance of the study? Yes 5 Methods. Does the manuscript describe methods  
(e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail? Yes  
6 Results. Are the research objectives achieved by the experiments used in this study?  
What are the contributions that the study has made for research progress in this field?  
Yes 7 Discussion. Does the manuscript interpret the findings adequately and  
appropriately, highlighting the key points concisely, clearly and logically? Are the  
findings and their applicability/relevance to the literature stated in a clear and definite  
manner? Is the discussion accurate and does it discuss the paper's scientific significance  
and/or relevance to clinical practice sufficiently? Yes 8 Illustrations and tables. Are the  
figures, diagrams and tables sufficient, good quality and appropriately illustrative of the  
paper contents? Do figures require labeling with arrows, asterisks etc., better legends?  
Yes 9 Biostatistics. Does the manuscript meet the requirements of biostatistics? Yes 10  
Units. Does the manuscript meet the requirements of use of SI units? Yes 11 References.  
Does the manuscript cite appropriately the latest, important and authoritative references  
in the introduction and discussion sections? Does the author self-cite, omit, incorrectly  
cite and/or over-cite references? Yes 12 Quality of manuscript organization and  
presentation. Is the manuscript well, concisely and coherently organized and presented?  
Is the style, language and grammar accurate and appropriate? Yes 13 Research



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methods and reporting. Authors should have prepared their manuscripts according to manuscript type and the appropriate categories, as follows: (1) CARE Checklist (2013) - Case report; (2) CONSORT 2010 Statement - Clinical Trials study, Prospective study, Randomized Controlled trial, Randomized Clinical trial; (3) PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis; (4) STROBE Statement - Case Control study, Observational study, Retrospective Cohort study; and (5) The ARRIVE Guidelines - Basic study. Did the author prepare the manuscript according to the appropriate research methods and reporting? Yes 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s) must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics? Yes This manuscript is overall very detailed and well written. I recommend acceptance.

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**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05429043

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-08-25

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-08-26 05:03

**Reviewer performed review:** 2022-08-26 09:26

**Review time:** 4 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	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**

The article looks very interesting. I have a few queries 1. Whether you have cited the following article *Salvia miltiorrhiza* Extract and Individual Synthesized Component Derivatives Induce Activating-Transcription-Factor-3-Mediated Anti-Obesity Effects and Attenuate Obesity-Induced Metabolic Disorder by Suppressing C/EBP $\alpha$  in High-Fat-Induced Obese Mice Please make a discussion about how it is different from the current article. 2. Table and Figure legends need more clarity 3. Moreover, check all the figures are 300dpi 4. Improve the size of the writings of all figures; some figures are blurred... 5. Ms analysis more valid interpretations that 6. the abstract should be more valid with all the results included in a very crisp manner. 7. The purpose of doing the experimental setting needs to be more clear in the introduction part. 8. It would be better to have a graphical abstract