

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83937

Title: Emerging role of the gut microbiome in post-infectious irritable bowel syndrome: a literature review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05452471

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor, Senior Scientist

Reviewer's Country/Territory: Russia

Author's Country/Territory: Romania

Manuscript submission date: 2023-02-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-26 08:01

Reviewer performed review: 2023-03-09 09:47

Review time: 11 Days and 1 Hour

Scientific quality	[] Grade A: Excellent [Y] Grade B: Very good [] Grade C: Good [] Grade D: Fair [] Grade E: Do not publish
Novelty of this manuscript	[] Grade A: Excellent [Y] Grade B: Good [] Grade C: Fair [] 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

The article under review is a review article on topical issues of human microbiome research. The systematisation of data on microbiome-dependent associations with various human diseases is currently important both from the fundamental and applied research. The authors consider these relationships in irritable bowel syndrome (IBS). Generally, a large amount of experimental material and meta-analyses were analyzed. The main remark, which should be supplemented by the authors, is to systematize the main experimental material presented in sections PI-IBS MICROBIOME ALTERATION and MICROBIOME-DIRECTED THERAPY in the form of tables. This will significantly enhance the quality of the work carried out by the authors. Additionally, the authors should more carefully review the correspondence of all cited references in the text, especially to pay attention to references 5, 6, 84, 93, 49, and 112.

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Title: Emerging role of the gut microbiome in post-infectious irritable bowel syndrome: a literature review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03645449

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Romania

Manuscript submission date: 2023-02-16

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-27 09:20

Reviewer performed review: 2023-03-27 09:57

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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
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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

The authors assessed the literature to review the evidence on the role of the gut microbiome in post-infectious irritable bowel syndrome. Although the manuscript was written well, I have some comments:

TITLE • Please revise the title as follows: "Emerging role of gut microbiome in post-infectious irritable bowel syndrome: a literature review"

INTRODUCTION • Please state clearly the basic and clinical impressions of your study in the last paragraph of the Introduction. What problems remain unanswered? What are questions responding to?

MAIN TEXT • You should summarize your results and evidence in different tables. • Please cite relevant reviews, such as PMID: 32143424 and PMID: 34304786.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83937

Title: Emerging role of the gut microbiome in post-infectious irritable bowel syndrome: a literature review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03645449

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Romania

Manuscript submission date: 2023-02-16

Reviewer chosen by: Han Zhang

Reviewer accepted review: 2023-04-10 08:59

Reviewer performed review: 2023-04-10 09:01

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Thanks for revising the manuscript.