

## PEER-REVIEW REPORT

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

**Manuscript NO:** 87203

**Title:** Diet as an epigenetic factor in inflammatory bowel disease

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05030001

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2023-07-29

**Reviewer chosen by:** Geng-Long Liu (Quit 2023)

**Reviewer accepted review:** 2023-08-24 23:08

**Reviewer performed review:** 2023-08-26 09:37

**Review time:** 1 Day and 10 Hours

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 Grade E: Do not publish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

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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

This manuscript reviewed the role of diet as an epigenetic factor in inflammatory bowel disease (IBD). The author has provided an extensive discussion on several aspects, such as the role of epigenetics, nutritional Aspects and the nutri-epigenetic modulator in the pathogenesis of IBD. This is an interesting review. However, I still have several questions and suggestions listed below. Please make an answer or revision. 1. This article mainly mentions the role of a certain nutrient in IBD. I suggested the authors should also discuss which specific foods (fruits, vegetables, or certain plants) are most likely to affect IBD through epigenetic means. 2. Please present the main results of the review in a tabular format, including information on the type of nutrient, the type of epigenetic pathway, the main conclusion, and the authors. 3. The author should provide a more detailed description of how diet affects the occurrence and development of IBD. 4. The mechanism by which nutrients affect IBD through epigenetics should be described more clearly in the paper. According to the above, I suggest the authors should answer the questions and make a revision.

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**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Research Associate

**Reviewer's Country/Territory:** United Kingdom

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

**Manuscript submission date:** 2023-07-29

**Reviewer chosen by:** Geng-Long Liu (Quit 2023)

**Reviewer accepted review:** 2023-08-29 12:39

**Reviewer performed review:** 2023-09-08 15:37

**Review time:** 10 Days and 2 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
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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

The manuscript showed the significance of diet and epigenetics in IBD, however, the authors failed to provide a concluding concept/context. The manuscript requires some grammatical rephrasing of sentences; authors need to prove read and make necessary corrections-particularly the abstract is scanty and lack complete and significant statement/information about the manuscript.