

Answer letter

Dear,

We appreciate the comments regarding our manuscript and agree that they further qualified the article.

Below are the answers to each question and suggestion:

Reviewer #1: **Scientific Quality:** Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

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.

The abstract was rewritten (page 3, lines 2 to 13) and the conclusion of this review was included at the end of the manuscript (page 19, lines 464 to 468).

Reviewer #2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

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.

Source foods were included for each nutrient mentioned with epigenetic potential (pages 10 to 18)

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.

The table is mentioned on page 10 and is attached.

3. The author should provide a more detailed description of how diet affects the occurrence and development of IBD.

Paragraph inserted on page 9 lines 184 to 192

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.

The epigenetic mechanism of the diet and the details of this mechanism were described in the subtitle Nutri-epigenetic Modulator in Inflammatory Bowel Diseases (pages 10 to 19) and outlined in the attached figure

Best regards,

Sabrina Alves Fernandes