

Point by point response to reviewer's comments

We must thank all the reviewers for their constructive comments. This will definitely make the manuscript more interesting and error free.

Reviewer-1:

Comment: The authors have reassessed various factors contributing to IBD, genetic dysbiosis and pathogenic influence in the gut microbiota during IBD and presented available IBD therapies. It could be a valuable reference to peer readers. The tables and figures are attractive. It's suggested to be published after minor language polishing.

Response: We thank reviewer for the appreciation. We have now modified the manuscript as far as language is concerned.

Reviewer-2:

Comment: The manuscript by Niharika Chandra et al. summarizes various factors contributing to IBD, genetic dysbiosis and pathogenic influence in the gut microbiota during IBD, interactions such as microbiome-host immune system interaction and microbe-microbe interactions involved in IBD, currently available IBD therapies, followed by a detailed review of on bacterial infections that might be involved in IBD, both in global and Indian context. Overall, the overview was comprehensive and up-to-date. However, aspects of written English need correcting throughout the manuscript including the abstract.

Response: We must thank reviewer for such a nice constructive comments. However as far language editing and corrections are concerned, we have extensively modified its language as per suggestions.

Reviewer-3: This is an interesting review. I have a number of minor comments and suggestions listed below.

Comment-1: The authors should make clear from the beginning that patient cohort studies examine the microbiota after IBD onset, making it difficult to interpret the involvement of microbial factors as a causative agents for IBD.

Response: We have taken care of this in the modified manuscript and have clearly stated it in to the manuscript.

Comment-2: Page 6: Psychological stress is considered an environmental factor that contributes to disease flare-ups. This point should also be highlighted.

Response: This point has been highlighted and explained in detailed in the modified manuscript.

Comment-3: Page 17: What IBM stands for? To my knowledge inclusion body myositis (IBM) is not really a gastrointestinal inflammatory disease and the gut microbiome is known to influence the onset and the progression of numerous autoimmune diseases including neurodegenerative disorders. Why focusing on IBM?

Response: We would like to express heartfelt apologies for this mistake. IBM is not related to inclusion body myositis (IBM). By mistake IBD has been typed as IBM. So we are so sorry for this. We have now corrected it in the modified manuscript, but we must thank reviewer of pointing this mistake.