



PEER-REVIEW REPORT

Name of journal: *World Journal of Experimental Medicine*

Manuscript NO: 100275

Title: Impact of Curcumin on Gut Microbiome

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08222626

Position: Peer Reviewer

Academic degree:

Professional title:

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: India

Manuscript submission date: 2024-08-12

Reviewer chosen by: AI Editor

Reviewer accepted review: 2024-08-12 17:52

Reviewer performed review: 2024-08-14 08:55

Review time: 1 Day and 15 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" 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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" 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

Reading should be natural for the reader, but for this manuscript it has been a very big struggle for the reviewer as this research suffers from both major technical, and scientific problems. In fact, this manuscript has been prepared in a very approximate way and cannot be accepted for consideration in its current form. Nevertheless, most of the minor comments have been added below but among the major concerns are: Major questions: 1) the author needs comprehensive literature review before writing this review as During the recent years, there has been an increasing number of review articles published on the curcumin and gut microbiota including : 1."The Modulatory Effects of Curcumin on the Gut Microbiota: A Potential Strategy for Disease Treatment and Health Promotion"<https://doi.org/10.3390/microorganisms12040642> 2. "Interaction between Gut Microbiota and Curcumin: A New Key of Understanding for the Health Effects of Curcumin", [10.3390/nu12092499](https://doi.org/10.3390/nu12092499) 3."Curcumin, Gut Microbiota, and Neuroprotection"<https://doi.org/10.3390/nu11102426> 4. "Curcumin-driven reprogramming of the gut microbiota and metabolome ameliorates motor deficits and neuroinflammation in a mouse model of Parkinson's



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disease"<https://doi.org/10.3389/fcimb.2022.887407> then why the author choose the same area for review article. novelty should be the part of every review article which is missing here in the manuscript. besides that manuscript needs the following revision: 1. Review article must be of sufficient length, as curcumin is most widely studied phytochemical and broad range of information is available in the literature, which should be added in the introduction section such as, structure, pharmacological activities (discuss it individually). 2. As manuscript is mainly focused on the Gut, curcumin's role in multiple GIT diseases should be individually discussed. 3. Numbering should be done with heading for easy understanding. 4. All scientific names e.g, names of microorganisms etc should be italicized. 5. Manuscript need revision for grammatical errors. 6. More attractive figure could be added to enhance its value.