

## PEER-REVIEW REPORT

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

**Manuscript NO:** 87556

**Title:** Curcumin alleviated dextran sulfate sodium-induced colitis by recovering memory Th/Tfh subset balance

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05952740

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2023-08-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-08-16 06:51

**Reviewer performed review:** 2023-08-16 10:18

**Review time:** 3 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 Grade E: Do not publish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
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 checked="" type="checkbox"/> Grade B: Good <input 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input 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 article evaluates the potential mechanism underlying Curcumin-mediated alleviation of colitis induced by dextran sulfate sodium (DSS) in mice by regulating the mTh and mTfh immune homeostasis. The manuscript was written fluently and the experimental design was also rationale. Overall, this article is acceptable in scientific interest, but minor revisions should be done so as to perfect the manuscript. Comments are attached below for reference: 1. In Page 8 Line 170, the statement of "for 3 days for adaptation". Outsourced experimental animals should be kept adaptively for 3-7 days. 3 days maybe a bit short. 2. In Page 8 Lines 178-180, What is the basis for determining the method of this model. 3. In Page 20 Line 453, the statement of "Cur is acknowledged as a drug commonly used to treat patients and animals with UC" may be not accurate. Because treatments for inducing remission include 5-aminosalicylic acid drugs and corticosteroids; and maintenance treatments include 5-aminosalicylic acid drugs, thiopurines, biologics (eg, anti-cytokines and anti-integrins), and small molecules (Janus kinase inhibitors and sphingosine-1-phosphate receptor modulators). 4. Please use the following references to improve your manuscript: " Efficacy and safety of adjuvant



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)  
<https://www.wjgnet.com>

curcumin therapy in ulcerative colitis: A systematic review and meta-analysis." J  
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**Reviewer's code:** 05249683

**Position:** Editorial Board

**Academic degree:** BSc, MSc, PhD

**Professional title:** Professor

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

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

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**Reviewer chosen by:** AI Technique

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**Reviewer performed review:** 2023-08-23 08:46

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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
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<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

In this article, the authors concluded that curcumin reduced DSS-induced colonic pathological damage, possibly by inhibiting the JAK1/STAT3/SOCS signaling cascade. The title, summary, and introduction are suitable for the manuscript. There are few required language corrections found in the yellow-labeled sections in the attached file. The results in Figure 6 are well presented and represent a good addition to the importance of curcumin.