

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 75128

Title: Role of baicalin as a potential therapeutic agent in hepatobiliary and gastrointestinal disorders: A review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05775860

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2022-01-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-17 00:46

Reviewer performed review: 2022-01-18 03:36

Review time: 1 Day 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 Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled “Role of baicalin as a potential therapeutic agent in hepatobiliary and gastrointestinal disorders: A review” reports a review on the effects and roles of baicalin that is majorly purified from *Scutellaria baicalensis*, a Chinese medicinal herb, in liver and gastrointestinal diseases. The authors have summarized the current study progresses on baicalin from various aspects, including clinical medicine, immunology, biochemistry, etc. The manuscript is well written and properly prepared, and will contribute to the relevant fields. I recommend publication of the manuscript with priority.

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Title: Role of baicalin as a potential therapeutic agent in hepatobiliary and gastrointestinal disorders: A review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04091933

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Senior Researcher

Reviewer's Country/Territory: Russia

Author's Country/Territory: India

Manuscript submission date: 2022-01-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-16 20:08

Reviewer performed review: 2022-01-28 21:40

Review time: 12 Days and 1 Hour

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
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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript is up-to-date and is a fairly complete review of the therapeutic effects of baicalin in hepatic and gastrointestinal disorders. The manuscript is well organized and illustrated. The tables contain useful information about the effects of baicalin based on the results of relevant studies. Literary references are relevant. There is self-citation, but it does not exceed 10% (12 out of 124 references). The manuscript may be published, however, after minor revisions. 1. It is recommended to rename the Ulcerative colitis section to Inflammatory bowel disease and slightly supplement it, for example, with important data that baicalin regulates the NF- κ B activation and modulates both autophagic and inflammatory processes in intestinal epithelial cells, leading to an improvement of paracellular permeability (Rizzo V et al., 2021). 2. The title of Table 2 does not correspond to its content (data not only for hepatic disorders but also for CRC and UC) and needs to be changed. 3. A number of abbreviations, such as NF- κ B, must be spelled out on first use.