

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 85614

Title: Research progress on drug delivery systems for curcumin in the treatment of gastrointestinal tumors

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06540971

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: Poland

Author's Country/Territory: China

Manuscript submission date: 2023-05-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-05-14 23:38

Reviewer performed review: 2023-05-24 00:37

Review time: 9 Days

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 Grade E: Do not publish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

Scientific significance of the conclusion in 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 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 checked="" type="checkbox"/> Minor revision <input 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

This paper gave an overview on the drug delivery systems of Curcumin combating digestive tract tumors in order to further reduce the toxic side effects of Curcumin-containing drugs. In addition, the development of Curcumin delivery systems can significantly enhance the targeting and long-circulating effects of the drugs. The topic is interesting and the information is up to date. However, in my opinion, this manuscript still needs minor revision before considering publication. My detailed comments are: 1) The chapter title is not obvious in this review. This may not affect the final publication format, but it caused some trouble to my reading. 2) In Section of Nanoparticles, magnetic nanoparticles are important candidate that should be discussed.

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Peer-review model: Single blind

Reviewer's code: 06540813

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2023-05-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-05-16 08:20

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Review time: 13 Days and 16 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 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 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

This is a progress review in the topic of drug delivery systems for Curcumin in the treatment of gastrointestinal tumors. It covers multiple types of drug delivery systems including polymer, liposomes, microspheres, nanoparticles, nanogel, and cyclodextrin, and the writing quality is high. As a review article, this paper would be helpful for researchers to understand current trends of drug delivery systems of Curcumin. Overall, I did find the manuscript is informative and worthy for the publication in this journal. I have a few minor comments. 1. The authors nicely summarized multiple types of drug delivery systems of Curcumin in this manuscript. However, only the text is not easy to understand for the readers. A summary table of different drug delivery systems is helpful to improve this review. 2. Some repeated contents should be simplified, for example, the full name of VEGF (vascular endothelial growth factor) appeared twice. 3. The authors should unify the single and plural of the chapter titles, e.g., Polymer, Liposomes, and Microspheres et al.