

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Oncology*

**Manuscript NO:** 86810

**Title:** Research progress of ginger in the treatment of gastrointestinal tumors

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

**Peer-review model:** Single blind

**Reviewer's code:** 03478404

**Position:** Editor-in-Chief

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2023-07-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-07-31 16:16

**Reviewer performed review:** 2023-08-05 15:48

**Review time:** 4 Days and 23 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Excellent <input 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 type="checkbox"/> Accept (General priority) <input checked="" 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

I highly appreciate this manuscript. Although a bit long, I have enjoyed it thoroughly. I consider that modern physicians treating cancer patients should be aware of the properties of ginger, especially in reduction of adverse reactions of radiotherapy and chemotherapy, as well as in the combination of ginger and modern medicine. Sure, anti-tumoral mechanisms of ginger and new drug delivery technologies are important and nicely addressed. This very comprehensive and detailed review is based on huge scientific evidence. The manuscript is well written. As for its structure, some improvements could be performed by the authors. I have listed some minor comments below: 1. Abstract: The following sentences should be reviewed and rewritten to avoid redundant info. They pretty much say the same. "This article provides an overview of the key components of ginger, such as 6-gingerol, 6-shogaol, zingerone, and 6-paradol. It also examines the mechanism of action and research advancements of ginger in the treatment of various gastrointestinal cancers. The aim of this study is to investigate the mechanisms of action of the main components of ginger and their potential clinical applications in treating gastrointestinal tumors." 2. Introduction: a. Figures have to be

numbered in the order of the apparition in the manuscript. Please revise. Figures 2 (page 4), 3 (page 4) and 4 (page 5) were inserted before Figure 1 (page 21). b. Also, in the main manuscript, is written “Figure 2 depicts the types of ginger...”, but in Figure 2 there is only one type. Please revise. c. Please clarify the content of the following sentences. “Through bioinformatics methods, we used TCMSP (<https://www.tcmsp-e.com/tcmsp.php>), DAVID online database(<https://david.ncifcrf.gov/>), Cytoscape3.9.1 software and bioinformatics online platform (<http://www.bioinformatics.com.cn/>) to perform enrichment analysis of the active components and their action targets of ginger (see Figure 3). The results showed that most genes were enriched in the Pathway in cancer”. Was this performed in this review, as a study? Apparently so. Then, this should also belong to the aim and be presented as results. Please revise the aim of your review, by the end of Introduction and avoid redundancy. 3. Page 5: Please clarify: “After hydrogenation, shogaol can be converted to shogaol.” 4. Page 7: Please define abbreviation PMA (Phorbol Myristate Acetate) before its first use. 5. “Conclusion and prospects” a. This subparagraph appears way too long. Conclusion should be short and crispy. Please avoid redundancy. b. The authors could insert a subparagraph with “Strength and limitations” of this review. Many sentences from the conclusion could go there. c. Also, they could insert a subparagraph with “Perspectives on future research” and introduce there many sentences from “Conclusion”. 6. Figure 1 should be inserted earlier in the manuscript, not in Conclusion. Please rewrite figure legend for Figure 1 and give a full description. Please make the upper part of Figure 1 readable. The lower part of Figure 1 is very ingenious and synthesizes a lot of the content of the manuscript. 7. Please be more generous in explaining the Figure legend for Figure 3. 8. I did not find any scientific evidence for the esophageal cancer. Please revise/clarify.

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**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2023-07-09

**Reviewer chosen by:** Geng-Long Liu

**Reviewer accepted review:** 2023-08-27 01:17

**Reviewer performed review:** 2023-09-05 01:15

**Review time:** 8 Days and 23 Hours

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
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
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<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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<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 paper, the authors reviewed the effect of ginger in the treatment of gastrointestinal tumors. The paper is interesting. However, two minor concerns are for your consideration. 1. Abbreviations used should be with its full name when it firstly appears in the paper. 2. Figure legends. Description to help a figure stand alone is encouraged to be added.