


Field chief editor



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Field Chief Editor

Frontiers in Nutrition

Scope

- Field chief editor
- Mission
- Facts
- Submission
- Open access statement
- Copyright statement
- Quality

Mission & scope

No subject pertains more to human life than nutrition. The aim of *Frontiers in Nutrition* is to integrate major scientific disciplines in this vast field in order to address the most relevant and pertinent questions and developments. Our ambition is to create an integrated podium based on original research, clinical trials, and contemporary reviews to build a reputable knowledge forum in the domains of human health, dietary behaviors, agronomy & 21st century food science. Through the recognized open-access Frontiers platform we welcome manuscripts to our dedicated sections relating to different areas in the field of nutrition with a focus on human health.

Specialty sections in *Frontiers in Nutrition* include, for example, Clinical Nutrition, Nutrition & Sustainable Diets, Nutrition and Food Science Technology, Nutrition Methodology, Sport & Exercise Nutrition, Food Chemistry, and Nutritional Immunology. Based on the publication of rigorous scientific research, we thrive to achieve a visible impact on the global nutrition agenda addressing the grand challenges of our time, including obesity, malnutrition, hunger, food waste, sustainability and consumer health.

Q 2

Check List

- Reviewer 1 | 19 Jul 2022 | 09:54

#1
- a. Is the quality of the figures and tables satisfactory?
- No
- b. Does the reference list cover the relevant literature adequately and in an unbiased manner?
- Yes
- c. Does this manuscript refer only to published data? (unpublished or original data is not allowed for this article type)
- Yes
- d. Is the opinion supported by evidence?
- Yes

QUALITY ASSESSMENT

- Q 3

Rigor
- Q 4

Quality of the writing
- Q 5

Overall quality of the content
- Q 6

Interest to a general audience

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History

Editor
Active

Reviewer 1
Finalized

A I R A

Reviewer 1

Independent review report submitted: 19 Jul 2022

Recommendation for the Editor: Revision is required

EVALUATION

Q 1

Please list your revision requests for the authors and provide your detailed comments, including highlighting limitations and strengths of the opinion. If you have additional comments based on Q2 and Q3 you can add them as well.

Reviewer 1 | 19 Jul 2022 | 09:54

#1

Sea cucumbers are one of many marine echinoderm animals that contain valuable nutrients and medicinal compounds. The bioactive substances in sea cucumbers make them have promising biological and pharmacological properties, including antioxidant, anti-bacterial, anti-cholesterol, and anti-tumor effects. The manuscript entitled "Anti-cancer and Anti-cholesterol Attributes of Sea cucumbers: An Opinion in Terms of Functional Food Applications" reviewed sea cucumbers in generals, anti-cancer, anti-cholesterol properties and future functional food product development of sea cucumbers. The authors finished one review paper with good quality and comprehensive summary. In my opinion, it can be published in this journal. This has the potential to be a really good review, but it still needs substantial work to reach that potential. Prior to be published, some minor corrections are necessary:
- Previous studies have talked about the functionalization and health benefits of wheat bran dietary fiber. Therefore, the section of introduction should highlight these contents of this manuscript.
1) Li Z, Tian Y, Ma H, Wang M, Yan Z, Xue C, Wang J. Saponins from the Sea Cucumber Promote the Osteoblast Differentiation in MC3T3-E1 Cells through the Activation of the BMP2/ Smads Pathway. Curr Pharm Biotechnol. 2021 Oct 6;22(14):1942-1952. doi: 10.2174/1389201021666200519135446.
2) Ying Li, Meng Li, Baojun Xu, Zhibo Li, Yanxia Qi, Zhiyuan Song, Qiancheng Zhao, Bin Du, Yuedong Yang. The current status and future perspective in combination of the processing technologies of sulfated polysaccharides from sea cucumbers: A comprehensive review. Journal of Functional Foods, Volume 87, 2021, 104744.
- The authors should provide 2-3 figures to make reader understand the mechanisms of anti-cholesterol, and anti-tumor effects.

Q 2

Check List

Reviewer 1 | 19 Jul 2022 | 09:54

#1

a. Is the quality of the figures and tables satisfactory?

REVIEW FORUM

Submitting Author

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- ✓ 1. Initial Validation
- ✓ 2. Editorial Assignment
- ✓ 3. Independent Review
4. Interactive Review
- ✓ 5. Review Finalized
- ✓ 6. Final Validation
- ✓ 7. Final Decision

Anti-cancer and Anti-cholesterol Attributes of Sea cucumbers: An Opinion in Terms of Functional Food Applications

Netty Salindeho* , Fahrul Nurkolis, William Ben Gunawan, Matthew Nathaniel Handoko, Mrinal Samtiya and Rendy Dijaya Muliadi

Opinion, Front. Nutr. – Nutrition and Metabolism

Received on: 05 Jul 2022, Edited by: Marc Poirot

Manuscript ID: 986986

Research Topic: Sterols, Nutrition, and Health

Keywords: Functional Food, Sea Cucumbers, Cancer, Cholesterol, marine products

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ON TIME

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History Editor Reviewer 1

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A I R A

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Revision request

Live chat



Frontiers in Nutrition is member of the Committee on Publication Ethics.

Facts

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Submission

Frontiers in Nutrition is composed of the following Specialty Sections:

Clinical Nutrition
→

Food Chemistry
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Nutrigenomics
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