

Review of: "Biological Components in Cucumbers (Cucumis Sativus L.): Implications for Pickle Manufacturing and Health Benefits in Fresh and Processed Varieties"

Taufiq Nawaz¹

¹ South Dakota State University

Potential competing interests: No potential competing interests to declare.

Dear Authors,

I have carefully reviewed your paper titled "Biological Components in Cucumbers (Cucumis Sativus L.): Implications for Pickle Manufacturing and Health Benefits in Fresh and Processed Varieties," & I'm delighted to inform you that your paper has been accepted for publication pending minor revisions.

Your study on cucumbers' botanical intricacies, nutritive composition, and health benefits offers valuable insights for food science and nutrition researchers and professionals.

I have outlined below some minor comments and suggestions to enhance the clarity and completeness of your paper:

Abstract:

- Consider adding specific details regarding the scope of the review to give readers a clearer understanding of the paper's focus.

Introduction:

- Briefly mention any gaps in existing literature that your review aims to address to emphasize the novelty and importance of the paper.

Nutritive Composition: I noticed that there were some variations in terminology and units throughout this section. Could you please ensure consistency in these aspects for clarity and precision?

Health Benefits:

In your section on "Health Benefits," you mentioned the potential anticancer effects of cucumbers, particularly highlighting cucurbitacin B as a natural compound with chemopreventive activity against human prostatic adenocarcinoma. Could you please provide more details on the specific mechanisms through which cucurbitacin B induces apoptosis in cancer cells? Additionally, are there any ongoing studies or emerging research findings that further elucidate the anticancer properties of cucumbers?

I believe further elaboration on this topic would greatly enhance the depth of your paper and provide readers with a more comprehensive understanding of the potential therapeutic applications of cucumbers in cancer treatment.

Conclusion: In your conclusion, you briefly summarize the key findings of your review. However, it might be beneficial to highlight any potential avenues for future research in this area to encourage further exploration and development of knowledge. What are your thoughts on this addition?

Overall, your paper offers valuable contributions to the understanding of cucumber biology, pickle manufacturing, and health implications. Additionally, I strongly advise having your manuscript reviewed by an English language expert for any grammatical issues. While your writing is clear and concise, a professional review can help ensure that your paper adheres to the highest standards of academic writing. With the incorporation of the suggested revisions, I am confident that your manuscript will be well-suited for publication.