

Review of: "Tomatoes Unveiled: A Comprehensive Exploration from Cultivation to Culinary and Nutritional Significance"

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Potential competing interests: No potential competing interests to declare.

Paper Title - Tomatoes Unveiled: A Comprehensive Exploration from Cultivation to Culinary and Nutritional Significance

Ms ID/ Ref no.: Qeios ID: CP4Z4W

Journal Name:

Reviewer Recommendation: Major Revision

Reviewer's Comments to Authors:

Abstract

1. The abstract must be fully self-contained and make sense by itself without further reference to outside sources or to the actual paper. It is important to provide the relevance of your work and the main outcomes.
2. The provided abstract is not up to the mark and does not follow the standard pattern, i.e., background of study, objectives, major results, and concluding remarks.
3. Keywords should be alphabetically arranged and should be written in italics.
4. The content written in the abstract is not written in a scientific manner but just a collection of general facts about tomatoes.

Introduction

1. "The tomato, scientifically known as *Solanum copernicum* L," the botanical name of plants should be written in italics always.
2. "The amalgamation of anti-inflammatory and antioxidant properties works synergistically, combating oxidative stress and fortifying the body's defenses against cancerous cell formation" should be re-written as "Antioxidant and anti-inflammatory qualities combine to fight oxidative stress and strengthen the body's defenses against the development of malignant cells."
3. The paper lacks scientific facts validated through experiments conducted in the past in the similar research area. The paper should contain scientific information about the research conducted on tomatoes in the past regarding its nutritional benefits and other essential characteristics.

4. Explain in detail, "Tomatoes, prized for their genetic stability and ease of cultivation, are under scrutiny for potential applications in biotechnology, including gene therapy and bioengineering, showcasing their adaptability in cutting-edge research (Meng et al., 2022)."

Conclusion

1. The conclusion should include a brief about the background of the research, final results of the experiment, and the future prospective of the research work in everyday life. Rewrite this section following the standard pattern mentioned above.

References

1. The format of the references appears to be inconsistent, with some journal names not being abbreviated correctly. A uniform format should be maintained throughout. Besides, there are missing citations. Importantly, please use original references. I noticed a preference for indirect citations over original references in some parts of the text of the manuscript. Please cite the original sources where possible to enhance the credibility and accuracy of the information presented.
2. The different sections of the manuscript are poorly cited with the references and required to update and validation with previous studies. The relevant papers listed below may be considered to enhance the scientific quality of the manuscript significantly.

<https://doi.org/10.1007/s00253-023-12920-7>; <https://doi.org/10.1007/s11104-024-06499-9>;

<https://doi.org/10.1016/j.scitotenv.2023.169097>; <https://doi.org/10.3390/plants12162947>; <https://doi.org/10.1007/s13580-017-0198-x>