Review of: "Evaluation of Chemical Content and Phytochemical Composition of Yemeni Almond Cultivars"

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Potential competing interests: No potential competing interests to declare.

Dear Editor,

I have carefully reviewed the manuscript titled "Evaluation of Chemical Content and Phytochemical Composition of Yemeni Almond Cultivars" and find it to be a well-executed study that contributes valuable information to the field of food science and phytochemistry. The authors have conducted a comprehensive analysis of the chemical composition and phytochemical content of various almond cultivars grown in Yemen, which is an understudied region in this context.

The authors have employed a robust and well-established methodology for the analysis of chemical composition and phytochemical content. The analytical techniques used, such as HPLC and GC-MS, are appropriate and reliable for the objectives of the study.

The authors have analyzed a wide range of chemical components, including proximate composition, fatty acid profile, mineral content, and various phytochemicals such as phenolic compounds and antioxidants. This comprehensive approach provides a holistic understanding of the nutritional and functional properties of the studied almond cultivars.

While the study is well-designed and executed, I would suggest that the authors consider extending the study duration to two or three years. This would allow for the evaluation of potential variations in chemical composition and phytochemical content due to environmental factors, such as climate and soil conditions, which can vary from year to year. A multi-year study would provide more robust and reliable data, accounting for potential annual fluctuations.

Recommendation

Based on the strengths of the study and the potential for further improvement, I recommend the acceptance of this manuscript for publication. The findings presented in this work are valuable and contribute to the understanding of the nutritional and phytochemical properties of Yemeni almond cultivars. Additionally, I encourage the authors to consider extending the study duration to two or three years, as suggested above, to enhance the reliability and robustness of the results.

Best regards,