

# Review of: "Analyzing the Science of Apple Juice: Insights Into Production, Preservation, and Health Effects"

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**Potential competing interests:** No potential competing interests to declare.

## Comments

In this work, the authors tried to study the comprehensive coverage of the science behind apple juice, addressing production, preservation, and health-related aspects. The integrated approach, consideration of modern preservation methods, and attention to challenges and innovations contribute to the review. The objective of this work has no clear meaning, and major important drawbacks of this work should be considered when the decision is made. (1) The English quality is low, and the text is hard to follow. Several badly constructed sentences are found throughout the text, with several grammatical errors easily found. (2) The plan of work is not appropriate, and the study was not conducted accurately. (3) Materials and methods and results and discussion from other studies need to be compared in this review. (4) Presentation of the manuscript was poor.

The overall comments are given below:

## Major Comments

- **Abstract** – The abstract of a research paper should contain a statement of the problem, purpose of the study, methods, data analysis, results, and conclusion. The abstract written in this form acts as an exhaustive statement of results without qualitative explanation and partially explains the significance of the paper, and properly addresses the accomplished conclusion. Please reshape it.
- **Graphical abstract** – Authors should include the graphical abstract that defines how the work was carried out and the outcomes of the research. During research, all the methodologies adopted and developed things need to be incorporated in the graphical abstract. Please reshape it.
- **Abbreviations** – Authors must be aware of how to represent the abbreviated word in the manuscript. The provided abbreviated words are not according to the journal format. In the manuscript, authors should first provide the full form of the abbreviation and provide the abbreviation in brackets, and thereafter abbreviated words can be followed throughout the manuscript.
- **Introduction** – The introduction should delve into a comprehensive exploration of apple production processes worldwide, incorporating relevant data. Authors are urged to offer a thorough overview of the topic, including detailed and informative insights derived from published articles. Furthermore, it is essential to conclude the introduction by highlighting the significance of the study and outlining the specific objectives chosen for the research.

- Objective – The objective of this study has no clear meaning. Authors should include the drawbacks of previous studies. To overcome these drawbacks, how authors framed the objectives for this study needs to be explained. Please reshape it.
- Novelty – What is the novelty of this study? Already, various review studies were carried out on the science of apple juice: insights into production, preservation, and health effects. Therefore, authors should justify the novelty of this work and what the need was to do this study. Please justify it.
- Section 2 – Authors should provide detailed information related to each health benefit and cite more studies. Also, Table 1 should provide a comprehensive exploration of the nutritional characteristics with cited references.
- Section 4, 5, and 6 – Authors should discuss these sections in detail with more cited references to compare each study.
- Table 2 – Authors should include more studies and products related to apple storage in different conditions.
- Authors should discuss in detail the methodology adopted and procedures followed for extending the shelf life of apple products and correlate the studies. Please reshape it.
- Authors should provide detailed information regarding the findings and outcomes of research with numerical data and correlate it with previously published studies. The introductory sentences need to be avoided. Please reshape it.
- Conclusion – In this section, authors should summarize the results and limitations of their study, as well as the scope for future research. Please reshape it.
- Cited references in the text need to be modified according to the journal format.
- Authors may ensure that they have adhered to the journal's referencing style throughout.
- Eliminate old references from the manuscript and replace them with recent references. Use references from 2015-2023.

### Grammatical correction

- The level of English throughout your manuscript does not meet the journal's required standard. You may wish to ask a native speaker to check your manuscript for grammar, style, and syntax, or use the professional language editing options.

Best regards!