

Review Form 3

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_130410
Title of the Manuscript:	EFFECT OF CARBONATION ON PHYSICOCHEMICAL CHARACTERISTICS OF TOMATO BASED BEVERAGE
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	I completely agree with the importance of this research in promoting the use of tomato based carbonated beverage. I commend the focus on enhancing the physicochemical properties and sensory evaluation of tomato based with added carbonation level. It is crucial to develop products that are both nutritious and easily accessible to the community.	ok
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the manuscript is accurately depicted.	Noted
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is well-written but lacks practical outcomes of the research work. It would be helpful to discuss the observed fold increase in sugar solution and carbonation concentration with tomato juice and its impact on other parameters. Also, explore any correlation between physicochemical values and sensory aspects. Simplify the abstract by explaining the significance of the numerical values and their implications for community health.	Effectuated
Is the manuscript scientifically, correct? Please write here.	It is good, but the subheading " sensorial evaluation and statistical data analysis and " with experimental design should be included in the materials and methods section.	OK
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	While the work is commendable, the tomato based carbonated beverage containing sugar solution and carbonation concentration lacks the scientific credibility needed for widespread consumer acceptance.	Ok

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Is the language/English quality of the article suitable for scholarly communications?	Most of the references are recent. I recommend ensuring consistency in referencing by including DOIs in all references in the same format.	
Optional/General comments	<p>The language is well explained and suitable for scholarly communication.</p> <p>The goal of this research is to bring a new tomato-based carbonated beverage to the consumer by utilizing tomato juice, sugar solution, and carbonation levels. The author's focus on enhancing the tomato-based carbonated beverage by incorporating tomato juice, sugar solution, and carbonation levels is commendable, as it could improve the overall consumer acceptance of the product. However, a significant drawback of the study is the lack of results and discussion comparing it to previous research. In respect to improve the manuscript following points should be considered and incorporated in the manuscript before acceptance.</p> <p>1. The abstract, while well-written, could benefit from including practical outcomes of the research work. Discuss the observed increase in tomato based carbonated beverage in various formulations fold and its impact on other parameters, as well as any correlation between physicochemical and sensory aspects. Simplify the numerical values in the abstract and focus on their significance and the community health impact.</p> <p>2. Arrange the keywords alphabetically under the abstract.</p> <p>3. The introduction section effectively highlights the importance of tomato based carbonated beverage.</p> <p>4. In the introduction, the author must demonstrate how these studies are limited in order to established the current studies.</p> <p>5. In the introduction, demonstrate the limitations of previous studies to establish the relevance of the current research.</p> <p>6. Use italics for "et al." in all instances throughout the manuscript.</p> <p>7. In the section on the physicochemical of the tomato based carbonated beverage, explain each procedure and provide the formulas for determining pH, titratable acidity and vitamin C.</p> <p>8. Include details on the number of participants, age group, and ethical approval in the sensory evaluation section.</p> <p>9. Please remove any outdated references from the manuscript including Frazier, W.C. and D.C. Westhoff, 1978.</p> <p>10. Maintain consistent formatting for DOIs in all references.</p>	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	