

## Review report

**BSMMUJ-17.3 – 72923**

Correlation of pH with beverage's temperature and titratable acidity level of beverages: A quasi-experimental study  
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REVIEW COMMENTS	AUTHOR RESPONSE	
<p>[Note: Please write the responses to each point here mentioning line number(s). You must change the manuscript as per your response.]</p>		
<b>A. Mechanical review</b>		
Date sent to author: <b>6-May-24</b>	Date: <b>7-May-24</b>	
<b>a. In the BanglaJoL submission platform</b>		
1. Provide name and affiliation of all authors and ORCID for corresponding author in the "Contributor list".	Name and affiliation of all authors and ORCID for the corresponding author is provided.	
<b>b. In the Manuscript</b>		
<b>Title page (page 1)</b>		
2. Provide short title in sentence case.	Short title is added as instructed, line number: 5	
3. Provide phone number of the corresponding author.	Phone number has given. Line number: 26-27.	
<b>Abstract page (page 2)</b>		
4. Prepare Abstract including objective without heading.	Objective was added in abstract (line number: 53,54).	
<b>Highlights page (page 3)</b>		
5. Highlights should have a separate page.	Given in a separate page. Line Number: 95-104.	
<b>Main body (page 4 onwards)</b>		
6. Prepare Introduction including objective without heading.	Objective in the 'INTRODUCTION' section is given as instructed. Line number: 173-175.	
7. Provide Statistical analysis in "METHODS" section.	Statistical analysis in 'METHOD' section is given as instructed. Line number: 199-202.	
<b>Footnotes</b>		
8. Provide Authors contribution as per journal's format.	Authors contribution as per journal format is given. Line number: 284-289.	
<b>References</b>		
9. Prepare References in Vancouver style.	References in Vancouver style is given (line no: 312-369).	
<b>B. Technical review</b>		
<b>ROUND 1</b>		
Reviewer's name: <b>B</b>		
ORCID: -		
Date assigned: <b>25-Jun-24</b>		
Date submitted: <b>28-Jun-24</b>		
Do you have any conflict of interest with the author/s? <b>No</b>		
Do you wish to be disclosed to the author? <b>No</b>		
Comments sent to author (Date: <b>29-Jun-24</b> )	Date: <b>6-Jul-24</b>	
How would you rate the originality and depth of the manuscript?	Score	[Note: Please response if the score is below 6]
	1	Originality rate about 90%. Selection of beverage was systematic with survey and chemical test was conducted in laboratory of Chemical Engineering Dept. BUET.
Is the manuscript written in a scholarly manner?	2	Yes, the manuscript was written in a scholarly manner and fulfilled the mechanical review process of submission.
Does the manuscript have the potential to make a valuable contribution to the world of knowledge?	1	This manuscript have the potential to make a valuable contribution to the world of knowledge, because the pH level of any beverage is important for medical science such as tooth enamel erosion and metabolic acidosis which affect the

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		[Note: Please write the responses to each point here mentioning line number(s). You must change the manuscript as per your response.]
Does the manuscript meet ethical standards?	1	multiple human organ; liver, kidney, heart etc. It is needed to clear that pH level of beverages is correlated the beverage's temperature.
1. The base theme of the experiment is all too irrelevant to the conclusion that has been drawn. The line graph presented in the manuscript is confusing and doesn't fit with the principles of a line graph (a line graph used to represent a series of the same data at different times). Since pH and temperature have different scales, the graph needs a dual-axis presentation. The methods and discussion sections are not well structured and are just a shadow of a previously published article elsewhere. However, there is no new data to be extracted from the submitted manuscript. The relevancy of the study remains void.		The experimental trial was done in in-vitro setting. Prior to start experiment concerned authority permission as taken.  The relevant conclusion that has been drawn. Line no. 71-74. The bar chart and scatter diagram were used to represent two different series of the data in where pH and temperature was presented in dual-axis presentation. Line no. 401-409. The methods sections are structured as instructed. Line no. 190-205. The discussion sections are structured as instructed. Line no. 238-258.  There are different concept, study objectives and ultimate outcome from previously published article.
Reviewer's Recommendation: <b>Decline Submission</b>		
Executive editor's name: <b>M Mostafa Zaman</b>		
ORCID: <b>0000-0002-1736-1342</b>		
1. While the manuscript's content deserves attention, we observed a salami-slicing of the articles you produce from a study of such a scope. The contents have been split into several manuscripts that could and should be published in a single manuscript. Publishing in such a piecemeal manner has ethical concerns.		Though, the contents that could and should be published in a single manuscript, but the policy by final thesis examination committee demands several articles.
2. Your two other publications having high similarity index and redundancy are listed here: a. pH and titratable acidity levels of alcoholic and non-alcoholic beverages contrast with the threshold pH level for tooth enamel demineralization. <a href="https://www.researchgate.net/publication/373977523">https://www.researchgate.net/publication/373977523</a> . b. Demineralization level of human tooth enamel after exposure to alcoholic and non-alcoholic beverages: A scanning electron microscopic study <a href="https://www.banglajol.info/index.php/BSMMUJ/article/view/70826">https://www.banglajol.info/index.php/BSMMUJ/article/view/70826</a>		Additionally, the manuscript's content focused on different study objectives, rationale and ultimate outcomes that not similar to the previous publications.  This correlational study between beverage's pH with beverage's temperature and TA level is unique, original and concerned to general and dental health.
Executive editor's decision: <b>Revision required</b>		
<b>ROUND 2</b>		
Executive editor's name: <b>M Mostafa Zaman</b>		
ORCID: <b>0000-0002-1736-1342</b>		
Comments sent to author (Date: <b>6-Jul-24</b> )		Date: <b>9-Jul-24</b>
1. Please revise the graph in "FIGURE 1" using dual axis.		The graph has been revised accordingly.
Executive editor's decision: <b>Revision required</b>		
<b>C. Editorial decision</b>		
Final editorial decision: <b>Accepted on 9-Jul-24</b>		