

**Review Form 3**

Journal Name:	<b>Archives of Current Research International</b>
Manuscript Number:	<b>Ms_ACRI_124267</b>
Title of the Manuscript:	<b>FORMULATION OF CALCIUM ENRICHED FINGER MILLET HERBAL DRINK- TISANE</b>
Type of the Article	

## Review Form 3

### PART 1: Review Comments

<b>Compulsory</b> REVISION 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>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>While the manuscript aims to address a relevant issue—calcium enrichment in beverages for improved dietary intake—. The idea of using finger millet (Ragi) is valuable, as it is a nutritious grain, but the methods presented offer limited new insights. This manuscript could contribute to food science if its methodology were strengthened and more substantial data were provided.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>Suggested title: <i>"Comparative Study on Calcium-Enriched Ragi Tisane: Optimizing Soaking and Roasting Methods."</i></p>	
<p><b>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.</b></p>	<p>The abstract provides a general overview of the study, but it lacks critical detail. For example, the marginal difference in calcium content between the two treatments should be noted, and the organoleptic evaluation could be summarized. Additionally, the abstract does not clearly explain the importance of the slight increase in calcium or how it significantly improves dietary intake.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections and structure are mostly appropriate, but the results and discussion could be more detailed. The manuscript would benefit from additional subsections that provide a more in-depth explanation of the methodology and statistical analysis. The section on sensory evaluation is particularly underdeveloped, lacking comprehensive data analysis.</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The manuscript does not present a robust or technically sound study. The small sample size and minimal variation in calcium content between treatments undermine the significance of the findings. Furthermore, the reliance on secondary sources for claims related to nutrient enhancement raises concerns about the originality of the data. For this manuscript to be considered scientifically sound, more rigorous experimentation, statistical analysis, and a clearer demonstration of health benefits are needed.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> :</p>	<p>The references are somewhat sufficient but could benefit from more recent studies, particularly those that investigate the nutritional enhancement of Ragi and herbal beverages. Including a broader range of studies on the effects of different processing methods on nutrient bioavailability would strengthen the manuscript's foundation.</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<ol style="list-style-type: none"> <li>1. The formulation of calcium-enriched beverages using finger millet (Ragi) has been explored extensively in existing literature. While the study presents two methods of processing Ragi, it lacks significant innovation in terms of process or product development.</li> <li>2. The experimental design is limited, especially in the evaluation of the two treatments (T1 and T2). The use of only two methods, with minimal differentiation in calcium content (396 mg vs. 380 mg), does not provide sufficient evidence to justify the conclusions drawn. The sample size and number of treatments could be expanded to enhance reliability.</li> <li>3. While the article emphasizes calcium enrichment, other key nutrients (such as proteins and vitamins) are mentioned only briefly, without detailed exploration of their contribution to overall health benefits. Furthermore, the reported increase in calcium content is marginal and may not significantly impact daily calcium intake.</li> <li>4. The sensory evaluation, based on a small panel of ten judges, does not provide a robust assessment of the organoleptic properties. Additionally, the study lacks a clear explanation of how these scores were statistically analyzed.</li> <li>5. <b>Over-reliance on Citations for Results:</b> Several claims about nutritional enhancements (such as soaking increasing protein and vitamin C content) rely heavily on secondary sources, rather than being substantiated through primary experimental data. This reduces the originality and reliability of the findings.</li> </ol> <p>In conclusion, the article fails to make a substantial contribution to the field of food science and product development. For future improvements, the authors should expand their methodology, provide more comprehensive data analysis, and focus on demonstrating clearer health benefits.</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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

### Reviewer Details:

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