

Review Form 3

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_128753
Title of the Manuscript:	Development of novel micronutrient rich Drumstick (<i>Moringa oleifera</i>) pod pulp chutney and its shelf life prediction
Type of the Article	Original Research Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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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.	The manuscript is important to the scientific community as it explores a viable product for drumstick. This is aligned with several SDGs such as zero hunger and industrial innovation. Moreover, it also explores value-addition technology for drumstick that can be passed down to the community via extension activities.	
Is the title of the article suitable? (If not please suggest an alternative title)	the "and its shelf life prediction" can be removed as other variables were explored other than shelf-life	
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 already comprehensive.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically correct basing largely on the results and discussion written.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references should be alphabetized. Add more citations based on the recommendations below.	

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>There are some parts of the manuscript with inconsistent English quality, such as the introduction part.</p>	
<p>Optional/General comments</p>	<p>INTRODUCTION</p> <ol style="list-style-type: none"> The moringa pods are rich in minerals (Ca, Mg, K, Mn, P, Zn, Na, Cu, and Fe) and vitamins such as A, B₁, B₂, B₃, B₆ and B₉, C, D, E and K. It has more than 40 natural antioxidants. <ul style="list-style-type: none"> kindly include the citation/source for this claim Drumstick plant is most inexpensive and credible alternative for not only providing good nutrition, but also cure lots of diseases. <ul style="list-style-type: none"> diseases such as? also kindly include citation/source for this claim The technology for moringa blanching, mechanical pod pulp extraction and shelf life extension of moringa pod pulp was optimised. The most effective water blanching was noticed at 95°C with 64 mm pod length where peroxidase inactivation time was 9.41 min and pulp yield was 40.67% (Ravani <i>et al.</i>, 2020a). Ravani <i>et al.</i>, 2023 Studied thermal processing of drumstick (<i>Moringa oleifera</i>) pulp in retortable pouches. The most effective lethal thermal processing was at F₀ 6 with a process time of 45 min and cook value of 134.54 min <ul style="list-style-type: none"> this part of the paragraph does not seem to agree on the theme of the first few sentences mentioned why was this technology important? what was its significance in the present study? “Ravani et al., 2023 Studied” should be “Ravani et al. (2023) studied” Generally, the introduction is unorganized. The following suggestion can be followed for further improving the themes of each paragraph: <ul style="list-style-type: none"> Paragraph 1 – discuss about Moringa pods’ nutritional content and what food items commonly include Moringa pods; also cite some studies (at least 3) that used moringa pod pulps to make novel food items and how the results turned out – was it favorable or not? Paragraph 2 – hence, in your study, you also explored the use of moringa pods to make chutneys; what are chutneys?; cite your general and specific objectives; the objectives should emphasize that the level of drumstick pod pulp, coriander leaves, mint leaves, and xanthan gum are varied and not just the thickening agent (xanthan gum) <p>EXPERIMENTAL DETAILS</p> <ol style="list-style-type: none"> It is suggested that all measurements should follow one unit – grams. This is because mass is not affected by temperature, unlike volume. The volume unit for the lemon juice can be changed to mass. Kindly spell out the meaning of FSSAI. Also, this was not included in the reference section. As per FSSAI, 2019 vegetable chutney means the product prepared from vegetable, salt, spices, condiments and preserved by thermal processing or other means. Chutney has minimum 25 % TSS, minimum fruits and vegetable content should be 40 %, pH not more than 4.6 and ash not more than 5.0 %. Microbiological requirements for chutney is yeast and mould count should not more than 100 per gram (Nijhawan, 2019). <ul style="list-style-type: none"> this info should be removed from 2.2 and be included in the introduction or incorporated in the results and discussion <p>REFERENCES</p> <ol style="list-style-type: none"> should be alphabetically arranged 	

PART 2:

	<p>Reviewer’s comment</p>	<p>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>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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