

Review Form 3

Journal Name:	Asian Food Science Journal
Manuscript Number:	Ms_AFSJ_126402
Title of the Manuscript:	Quality and technological properties of dried banana cv. Thap Maeo pre-treated and with osmo-convective dehydration
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

Compulsory 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>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.</p>	<p>This manuscript is significant for the scientific community as it explores the effects of osmotic dehydration and bleaching on dried bananas, focusing on enhancing nutritional properties, color, and overall quality. By examining specific treatments for enzymatic browning and moisture control, this study contributes to the field of food science, particularly for preservation techniques. The insights it provides into improving the shelf life and quality of dried bananas could be beneficial for industries focused on extending the usability and marketability of bananas, especially in regions with surplus production. Overall, this manuscript offers valuable information on value addition for banana products.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title "Quality and Technological Properties of Dried Banana cv. Thap Maeo Pre-treated and with Osmo-Convective Dehydration" is generally suitable, as it clearly conveys the focus of the article on both the quality and technological aspects of dried bananas from a specific cultivar (cv. Thap Maeo) and the methods used (pre-treatment and osmo-convective dehydration).</p>	
<p>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.</p>	<p>The abstract of the article provides a solid overview of the research objectives, methods, and key findings. However, to enhance its comprehensiveness, I suggest the following:</p> <ol style="list-style-type: none"> 1. Clarification of Objectives: The abstract could benefit from a more explicit statement of the specific research questions or hypotheses being addressed. This will help readers quickly understand the focus of the study. 2. Details on Methodology: While the abstract mentions the methods used, including a brief description of the experimental design and sample size would provide more context regarding the robustness of the study such as dry matter, water activity, and color values (L*, a*, and b*). 3. Highlighting Key Results: Including specific quantitative results or metrics, such as the percentage of moisture reduction or improvements in quality attributes, would strengthen the impact of the findings presented in the abstract. 4. Implications of the Research: It would be valuable to mention the practical applications or implications of the study's findings for the industry or future research. This will help readers understand the relevance of the research beyond the academic sphere. <p>By incorporating these elements, the abstract would offer a more thorough summary that effectively conveys the significance and contributions of the research to the scientific community.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The structure is logical and well-organized, covering the introduction, materials and methods, results, and discussion in a detailed manner. suggestion – add some sub-section to understand the result better.</p>	
<p>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.</p>	<p>The work displays scientific robustness and technical soundness by taking a thorough approach to examining the quality and technological aspects of dried banana cv. Thap Maeo, notably in terms of osmo-convective dehydration and pre-treatment techniques. To evaluate the effects of various treatments on the physical and chemical properties of the dried product, the authors use accepted procedures, guaranteeing that the results are accurate and repeatable. The findings' dependability is reinforced by the data on moisture reduction, color enhancement, and nutrient retention. Furthermore, providing quantitative measurements for essential qualities such as color, (L*, a*, b*), pH, moisture, and nutritional content, as well as relevant statistical analysis to analyze the data, increases the credibility of the results and allows for meaningful interpretations and conclusions. In general, the manuscript makes a contribution</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references seem sufficient and relevant, covering essential studies on dehydration techniques and banana preservation. However, including a few more recent sources on osmotic dehydration in other fruits or similar food products may enhance the study's current relevance.</p>	

Review Form 3

Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The manuscript is generally well-written and suitable for scholarly communication. Minor proofreading could help polish the language, particularly in the Results and Discussion sections, to improve clarity and flow.	
Optional/General comments	The manuscript could benefit from a comparison with alternative drying techniques, if available, as this would provide a broader context for the effectiveness of the bleaching and osmotic dehydration methods. No plagiarism detected No competing interests are mentioned or apparent. There are no apparent ethical issues in this manuscript.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Izhak Devid Paul
Department, University & Country	Shri Sant Gadge Baba College of Engineering and Technology, India