

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_126037
Title of the Manuscript:	Chitosan edible coating: A potential technique for shelf life extension in fruits and vegetables
Type of the Article	Review Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<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 provides a comprehensive review of the use of chitosan-based edible coatings as a potential technique for extending the shelf life of fruits and vegetables. The topic is highly relevant to the scientific community, especially in the context of reducing food waste and improving post-harvest preservation. The manuscript successfully highlights the biodegradable and antimicrobial properties of chitosan, making it a sustainable alternative to synthetic coatings and chemical preservatives. The detailed discussion on nano-encapsulated chitosan formulations and potential future advancements also adds value to the field.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The current title, "Chitosan Edible Coating: A Potential Technique for Shelf Life Extension in Fruits and Vegetables," is clear and suitable. However, it could be refined for greater impact and clarity. Here are a suggestions for alternative titles:</p> <p>"Chitosan-Based Edible Coatings: Enhancing Shelf Life and Quality in Fruits and Vegetables"</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 is comprehensive and provides a well-rounded overview of the potential of chitosan-based edible coatings for extending the shelf life of fruits and vegetables. However, a few suggestions for improvement include:</p> <p>Clarity on Challenges and Limitations: Adding a brief mention of the challenges or limitations, such as cost-effectiveness, scalability, or regulatory aspects, would provide a more balanced view.</p> <p>Practical Applications: A sentence highlighting real-world applications or case studies of chitosan coatings in commercial settings could increase the relevance for both the scientific and industrial communities.</p> <p>Emphasizing Novelty: Although future advancements are discussed, explicitly mentioning the novelty of the integration with nanotechnology earlier in the abstract could help catch the reader's attention.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The overall structure is strong, but minor adjustments in consistency, numbering, and clearer transitions will enhance the manuscript's readability and coherence.</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>This manuscript is scientifically robust as it provides well-referenced information on edible coatings, particularly focusing on chitosan, its extraction methods and functional properties. The discussion on chitosan's role in extending shelf life and its environmental benefits is technically accurate and aligns with current scientific research.</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 are sufficient and include recent studies from 2021-2024, covering relevant advancements in edible coatings and chitosan applications. However, adding more recent references on sustainable packaging and chitosan nanotechnology could further enhance the manuscript.</p>	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, the language and English quality of the article are appropriate for scholarly communication.	
<u>Optional/General</u> comments		

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>	

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