

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_129675
Title of the Manuscript:	Edible coating with plant extracts and essential oils loaded nanoparticles: Sustaining postharvest quality of fruits and vegetables
Type of the Article	Review 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:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

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.	This manuscript holds significant importance for the scientific community as it addresses critical challenges in maintaining the postharvest quality of fruits and vegetables. By exploring the integration of edible coatings with plant extracts and essential oils loaded into nanoparticles, it provides a natural and innovative solution for extending shelf life while reducing reliance on synthetic preservatives. The study not only advances the understanding of nanotechnology in food preservation but also aligns with global efforts to promote sustainable and eco-friendly agricultural practices. Furthermore, its findings have the potential to inspire future research and contribute to the development of commercially viable methods for improving food security and reducing postharvest losses.	
Is the title of the article suitable? (If not please suggest an alternative title)	"Nanoparticle-Enhanced Edible Coatings with Plant Extracts and Essential Oils for Postharvest Preservation of Fruits and Vegetables" This revised title emphasizes the role of nanoparticles and their integration with plant-based bioactive compounds while maintaining a focus on postharvest preservation. It is succinct and likely to attract a scientific audience interested in food technology and sustainable agriculture.	
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.	If background information is missing, briefly include the significance of postharvest losses and the need for innovative preservation strategies. If the objective is unclear, specify the study's primary aim, such as exploring the effectiveness of edible coatings enhanced with plant extracts and nanoparticles. Ensure that methodology mentions the type of edible coating, plant extracts, essential oils, and the method of nanoparticle incorporation.	
Is the manuscript scientifically, correct? Please write here.	YES	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	YES	
Is the language/English quality of the article suitable for scholarly communications?	YES	
<u>Optional/General</u> comments	NO	

PART 2:

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

Reviewer Details:

Name:	Shoheb Shakil Shaikh
Department, University & Country	DBATU, India