

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>

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.	It's really important to protect fruits and plants from diseases that can happen after harvesting. Since many people around the world are worried about using fungicides to fight these diseases, researching essential oils and plant extracts is crucial for making organic products.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes. The title is suitable.	
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.	Yes, the abstract is comprehensive.	
Is the manuscript scientifically, correct? Please write here.	Yes. the manuscript is scientifically, correct	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes. According to what has been written the references are sufficient and recent. But the author could have used newer references. for example: Add the https://doi.org/10.3390/jof10010017 reference after the sentence "These compounds play a crucial role in the plant's defense mechanisms."	

Review Form 3

<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>yes</p>	
<p>Optional/General comments</p>	<p>This manuscript has many grammatical and spelling errors and needs to be corrected. For example, in paragraph number 3 below the table, the word "discolouration" should be corrected and written as "discoloration".</p> <p>All "eg" in the article should be italicized. For example (e.g., clove and tea tree)</p> <p>Ideally, review articles should cover the topic in a more comprehensive way. If there are enough resources, it would be great to analyse additional vegetable.</p> <p>Why are figures 1 and 2 mentioned in the paragraph (A bionanocomposite edible coating containing carboxymethyl cellulose (CMC) and cardamom essential oil (CEO) significantly reduced the loss of fruit weight ($7.32 \pm 2.4\%$), firmness (1.3 times), total soluble solids, and titratable acidity of tomatoes by reducing oxidative stress and increasing antioxidant enzymes during 15 days of storage (Das <i>et al.</i>, 2022). Algarni <i>et al.</i> (2022) studied on effect of chitosan nanoparticles as edible coating on the storability and quality of apricot fruits. During the storage of the apricots, those treated with CHNPs (1%) showed an obvious decrease in decay percent (Fig. 1) and lipid peroxidation, whereas ascorbic acid and carotenoid content were higher than those in the fruits treated with CH and the untreated fruits (control). The findings of the sensory evaluation revealed a significant difference in the overall acceptability scores and extended their shelf-life (Fig. 2) for up to 9 days at room temperature storage and for 30 days in cold storage between the samples treated with CHNPs and the other samples) of the manuscript when there are no figures in the manuscript?</p> <p>It is better for the article to be written by the author, not by an artificial intelligence. However, given the author's circumstances, after making corrections, I suggest accepting the manuscript.</p>	

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:

<p>Name:</p>	<p>Hajar Soleimani</p>
<p>Department, University & Country</p>	<p>Shiraz University, Iran</p>