

### Review Form 3

Journal Name:	<b>Archives of Current Research International</b>
Manuscript Number:	<b>Ms_ACRI_123776</b>
Title of the Manuscript:	<b>Induced Resistance in fruit and vegetable enhancing host defence to curve post-harvest diseases</b>
Type of the Article	<b>Review Article</b>

#### **PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>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.</b>	This manuscript offers significant value to the scientific community by addressing the growing challenge of post-harvest diseases in fruits and vegetables. The research focuses on Induced Resistance (IR), a promising and environmentally friendly approach that enhances plant defense mechanisms to reduce the need for chemical pesticides. By exploring practical applications, challenges, and potential solutions, the manuscript provides insights into improving crop resilience, contributing to food security, and reducing post-harvest losses. The integration of genetic engineering and novel technologies further positions this study as a valuable resource for sustainable agricultural practices.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	It could be improved by correcting "curve" to "curb" and refining the phrasing. Suggested alternative title could be: <b>"Induced Resistance in Fruits and Vegetables: Enhancing Host Defense to Curb Post-Harvest Diseases"</b>	
<b>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.</b>	The abstract of the article is generally comprehensive, covering key aspects such as the role of Induced Resistance (IR), its mechanisms (e.g., defense-related enzymes and metabolites), and its applications in reducing post-harvest diseases. Overall, it is sufficient.	
<b>Are subsections and structure of the manuscript appropriate?</b>	<b>Yes</b>	
<b>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.</b>	This manuscript appears scientifically robust and technically sound due to its comprehensive review of Induced Resistance (IR) as an environmentally sustainable approach to post-harvest disease management in fruits and vegetables. The authors thoroughly explain the biochemical and molecular mechanisms underlying IR, including the role of defense-related enzymes, secondary metabolites, and signaling pathways. Additionally, the manuscript supports its claims with case studies of successful IR applications in different crops, reinforcing the practical relevance of the findings. The discussion on integrating IR with other disease management strategies, along with consideration of potential trade-offs, demonstrates a balanced and well-rounded scientific approach.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> -	The reference style used in the manuscript is closest to a <b>numeric citation style</b> , where references are cited in the text using numbers in brackets (e.g., [1], [2]), and the full citations are listed at the end in numerical order. The <b>reference list</b> should be arranged numerically, not alphabetically, to correspond to the order of citation in the manuscript.  If you're following a specific journal's guidelines, it would be best to check their exact formatting requirements for references.	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes	
<b>Optional/General</b> comments	The manuscript provides a thorough and scientifically sound review of Induced Resistance (IR) in managing post-harvest diseases, supported by relevant case studies. However, it could benefit from recent references, improved clarity in some sections, and proper formatting of the reference list.	

### **PART 2:**

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

### **Reviewer Details:**

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