

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_126485
Title of the Manuscript:	"Nanotechnology applications in improving fruit production and quality."
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:

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Important Policies Regarding Peer Review

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

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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>
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.	This manuscript is valuable to the scientific community because it explores how nanotechnology can improve fruit production and quality. It shows how nanofertilizers, nanopesticides, and other nano-based tools can help plants absorb nutrients better, control pests more precisely, and reduce post-harvest losses. I like that it covers a range of applications, from improving growth to extending fruit shelf life, which supports more sustainable farming practices. However, it would be even stronger with more recent references and some discussion on future research needs, especially around regulations and public acceptance of nanotechnology in agriculture.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title should be advanced. suggested title: "Nanotechnology Interventions in Fruit Agriculture: Enhancing Production and Quality".	
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.	The title is suitable and comprehensive.	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	This manuscript appears scientifically robust and technically sound due to its comprehensive exploration of how nanotechnology addresses various challenges in fruit production. By covering multiple aspects, including nano fertilizers, nanopesticides, nanofungicides, post-harvest nanotechnologies, and nanosensors, the manuscript offers a well-rounded perspective on the technology's potential impacts. The emphasis on both enhancing productivity and reducing environmental impact demonstrates an understanding of sustainable agricultural practices. Additionally, the manuscript acknowledges existing limitations such as public acceptance, environmental impacts, and regulatory hurdles, indicating a balanced and realistic approach.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	No, some comments about references below: <ul style="list-style-type: none"> The manuscript lacks references post-2020, making it somewhat outdated; recent references should be added. Additional references should be cited within some paragraphs, as certain sections lack adequate citation coverage. 	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	<ul style="list-style-type: none">• Minor grammatical mistakes throughout the manuscript should be thoroughly reviewed and corrected.	
Optional/General comments	<ul style="list-style-type: none">• A minimum of five keywords should be added.• Figures or tables should be included to enhance clarity and make the paper more appealing to readers.• Minor grammatical mistakes throughout the manuscript should be thoroughly reviewed and corrected.• The manuscript lacks references post-2020, making it somewhat outdated; recent references should be added.• Additional references should be cited within some paragraphs, as certain sections lack adequate citation coverage.• Abbreviations should be used consistently throughout the manuscript. For example, "silver nanoparticles" should be abbreviated as "AgNPs" and standardized across the entire text.• The author should correct subscript formatting issues, such as using "TiO₂" instead of "TiO2."• Future research directions should be added to the conclusion section to guide further studies in this area.	

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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