

**Review Form 3**

Journal Name:	<b>Archives of Current Research International</b>
Manuscript Number:	<b>Ms_ACRI_121286</b>
Title of the Manuscript:	<b>Innovation in horticultural Practices, Enhancing crop quality and marketability</b>
Type of the Article	<b>Review Article</b>

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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>
<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>The article "Innovation in Horticultural Practices: Enhancing Crop Quality and Marketability" addresses a critical aspect of modern agriculture that is increasingly essential for the industry's future. Here are several reasons why this article is important:</p> <ol style="list-style-type: none"> <li><b>1. Technological Advancements</b> The article highlights the role of cutting-edge technologies in transforming horticulture. By discussing innovations such as precision agriculture, biotechnology, robotics, and artificial intelligence, it underscores how these advancements can optimize crop production, improve efficiency, and reduce waste. Understanding these technologies is vital for staying competitive and ensuring sustainable agricultural practices.</li> <li><b>2. Sustainable Practices</b> Sustainability is a key concern in modern agriculture, and the article's focus on sustainable farming methods is particularly relevant. It provides insights into how sustainable practices can be integrated with innovative technologies to reduce the environmental impact of horticultural activities. This balance is essential for maintaining long-term soil health, conserving water resources, and reducing the carbon footprint of agricultural practices.</li> <li><b>3. Market-Oriented Strategies</b> The article addresses the importance of aligning horticultural practices with market demands. By analyzing market-oriented strategies, it offers valuable perspectives on how growers can enhance the marketability of their products. This is crucial for ensuring that high-quality crops meet consumer preferences, thereby increasing profitability and market share.</li> <li><b>4. Impact on Crop Yield and Quality</b> The discussion on the impact of innovations on crop yield and quality is significant. By improving these aspects, growers can achieve better productivity and produce higher-quality crops, which are essential for meeting the nutritional needs of a growing global population. The article's insights into how technological and sustainable practices contribute to these improvements are valuable for practitioners and researchers alike.</li> <li><b>5. Economic Viability</b> The economic aspect of horticultural practices is a major concern for growers and stakeholders. The article's exploration of economic viability in the context of innovative practices helps in understanding the cost-benefit analysis of adopting new technologies and methods. This is crucial for making informed decisions that ensure financial sustainability alongside agricultural productivity.</li> <li><b>6. Consumer Preferences</b> Understanding and adapting to consumer preferences is vital for the success of horticultural products in the market. The article's focus on this aspect highlights the need for growers to be attuned to market trends and consumer demands, ensuring that their products remain competitive and desirable.</li> <li><b>7. Future of Horticulture</b> By emphasizing the need for continued innovation and a focus on sustainability and consumer preferences, the article provides a forward-looking perspective on the future of horticulture. This is important for guiding policy decisions, research directions, and practical applications in the industry.</li> </ol>	

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	<p><b>Conclusion</b>  The article "Innovation in Horticultural Practices: Enhancing Crop Quality and Marketability" is a significant contribution to the field of horticulture. It provides a comprehensive overview of how innovations in technology, sustainable practices, and market strategies are shaping the industry. For researchers, practitioners, and policymakers, the insights offered by this paper are essential for driving progress and ensuring the future sustainability and profitability of horticultural practices.</p>	
<p>Is the title of the article suitable?  (If not please suggest an alternative title)</p>	<p>Yes.</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>Yes</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</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>The article on innovation in horticultural practices demonstrates scientific robustness and technical soundness through its comprehensive and evidence-based analysis. It integrates multiple dimensions of horticultural innovation, emphasizing precision agriculture, biotechnology, and sustainable farming methods. The mention of emerging technologies such as robotics, AI, and vertical farming highlights the paper's alignment with current technological trends and its foresight into future industry transformations.</p> <p>The discussion on increased automation, sophisticated precision agriculture, and biotechnological innovations reflects a well-rounded understanding of ongoing advancements and their potential impacts. The emphasis on sustainability and resilience to climate change indicates a forward-thinking approach that considers long-term environmental and economic viability.</p> <p>Moreover, the paper acknowledges the critical role of consumer preferences in shaping horticultural practices, underlining the importance of market alignment for success. The call for further research in sustainable pest management, soil health, climate change adaptation, and technology integration demonstrates a proactive stance on addressing future challenges and underscores the need for continued innovation.</p> <p>Overall, the article is scientifically robust and technically sound, providing a well-supported and forward-looking perspective on the future of horticultural practices. It effectively combines current knowledge with strategic insights, ensuring the relevance and applicability of its findings to both current and future industry scenarios.</p>	
<p>Are the references sufficient and recent? If you have suggestions for additional references, please mention them in the review form.</p>	<p>Yes.</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes</p>	
<p><b>Optional/General</b> comments</p>	<p>The article "Innovation in Horticultural Practices: Enhancing Crop Quality and Marketability" presents a comprehensive and insightful analysis of the current and future landscape of horticulture. It effectively demonstrates the significant potential of innovations such as precision agriculture, biotechnology, and sustainable farming methods in improving crop yields, quality, and environmental sustainability.</p> <p>The discussion on emerging technologies like robotics, AI, and vertical farming is particularly noteworthy, highlighting their transformative potential for the industry. The article's forward-looking perspective on increased automation, sophisticated precision agriculture, and biotechnological innovations is both timely and relevant, addressing the evolving needs of the horticultural sector.</p> <p>A key strength of the article is its emphasis on sustainability and the importance of reducing environmental impact while building resilience to climate change. This focus aligns with global efforts to promote sustainable agriculture and underscores the industry's responsibility towards environmental stewardship.</p> <p>The recognition of consumer preferences as a driving force in shaping horticultural practices is another important aspect. By addressing the demand for high-quality, nutritious, and sustainably produced food, the article underscores the need for market-oriented strategies to ensure success.</p> <p>The call for further research in sustainable pest management, soil health, climate change adaptation, and the integration of technology in small-scale farming is well-founded. It highlights the necessity for continuous innovation and adaptability to meet future challenges and opportunities.</p> <p>Overall, the article provides a robust and well-rounded discussion on the importance of innovation in horticultural practices. It offers valuable insights for researchers, practitioners, and policymakers, advocating for a balanced approach that combines technological advancements, sustainable practices, and consumer-centric strategies to ensure the continued growth and contribution of the horticultural industry to global food security and sustainability.</p>	

**PART 2:**

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

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