

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_123533
Title of the Manuscript:	Vertical Farming: A promising solution to Urban Agriculture
Type of the Article	Review Paper

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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Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<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>While the manuscript titled "Vertical Farming: A Promising Solution to Urban Agriculture" covers an important and timely subject, there are areas that require improvement. One of the major concerns is the high similarity index (61%) in Turnitin, which raises questions about originality. A significant portion of the content may need revision or rephrasing to ensure the paper meets academic integrity standards.</p> <p>In terms of content, although the manuscript provides a thorough overview of vertical farming, it lacks depth in presenting practical case studies or data-driven examples that could further validate the claims made about vertical farming's benefits. Additionally, the discussion on the challenges and limitations of vertical farming, such as high energy costs and technical expertise requirements, is somewhat brief and could benefit from a more critical analysis.</p> <p>The manuscript also suffers from occasional issues with organization and flow, making it harder to follow the argument in some sections. More structured headings and a clearer transition between ideas would enhance readability. Lastly, while the manuscript touches on the disadvantages of vertical farming, it could better balance its optimistic view with a more realistic discussion of the scalability and long-term viability of these systems in various socio-economic contexts.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The current title is suitable as it clearly conveys the article's focus. However, to better reflect the content's comprehensive scope, a slightly more specific title could be: <i>"Vertical Farming: Solutions and Challenges in Urban Agriculture."</i></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>The abstract is clear and introduces the concept of vertical farming as a solution to urban agriculture challenges. It mentions key benefits and challenges but could be improved by adding specific examples, briefly explaining terms like "controlled environmental conditions," and specifying the areas needing further research. Overall, it's comprehensive but could be more impactful with these adjustments.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript is well-structured with appropriate subsections that effectively cover the topic of vertical farming. Some sections, like case studies, could benefit from more detailed analysis, and smoother transitions between sections would improve readability. Overall, the structure is sound and comprehensive. However, the sections with high similarity need to be rewritten to maintain the manuscript's integrity and adherence to scholarly standards.</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 manuscript presents a scientifically sound overview of vertical farming, but the high similarity index suggests that large portions may not be the author's original work. It is crucial that the scientific arguments are presented in the author's own words, with proper attribution to the original sources. The manuscript should be revised to ensure it is both scientifically accurate and original.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p>	<p>The manuscript under review appears to reference key sources related to vertical farming and urban agriculture. However, many of the references seem outdated, especially considering the rapid technological advancements in this field. For instance:</p> <ol style="list-style-type: none"> Recent sources: The most recent references are from 2024, which is good. Still, several critical discussions about vertical farming technologies, like IoT or sustainable energy integration, might benefit from more recent studies from 2023 or even 2022, as advancements in these areas are evolving rapidly. Insufficient coverage: While the paper discusses various aspects of vertical farming, certain topics, like controlled environment agriculture (CEA) and its intersection with urban agriculture, require more comprehensive references. This is especially true for advanced topics like artificial intelligence integration and sustainable energy usage. Suggestions for additional references: 	

Review Form 3

	<ul style="list-style-type: none"> • Research on IoT in vertical farming and its advancements from recent studies. • More recent publications on energy-efficient practices and automation in urban agriculture. • Studies on climate resilience and urban sustainability from 2023 or 2022 to ensure relevance. 	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The manuscript needs significant language refinement for better scholarly communication. Key issues include:</p> <ol style="list-style-type: none"> 1. Grammar and Sentence Structure: Sentences are often long and lack proper punctuation, making the content harder to follow. 2. Technical Vocabulary: While the use of technical terms is appropriate, definitions can be clearer and more concise. 3. Flow and Coherence: Transitions between sections are abrupt, affecting the overall readability. 4. Tense Consistency: Inconsistent use of tenses causes confusion and should be revised for clarity. 5. Use of Passive Voice: The manuscript uses too much passive voice, making the text less engaging. 	
<p><u>Optional/General</u> comments</p>	<p>This manuscript provides valuable insights into vertical farming; however, the high similarity index raises concerns about its originality. The authors are strongly encouraged to revise the manuscript to ensure that it meets the standards of originality expected in scholarly publications. This may involve rephrasing significant portions of the text and ensuring that all sources are properly cited.</p>	

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)
<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>	

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