

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_127693
Title of the Manuscript:	<b>Eco-Friendly Chemicals for Sustainable Post-Harvest Life of Flowers: A Comprehensive Review</b>
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>
<b>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.</b>	The manuscript explores eco-friendly preservatives like plant extracts and essential oils to enhance the vase life of cut flowers, offering sustainable alternatives to harmful chemicals. This research supports global trends in sustainable agriculture, benefiting floriculture, consumers, and environmental health.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The title "Eco-Friendly Chemicals for Sustainable Post-Harvest Life of Flowers: A Comprehensive Review" is generally suitable as it clearly indicates the focus on environmentally friendly alternatives aimed at enhancing the post-harvest longevity of flowers. However, it could be refined for greater clarity and impact. Suggested Alternative Titles: 1. "Sustainable Solutions: Eco-Friendly Preservatives for Extending the Post-Harvest Life of Cut Flowers" 2. "Innovative Eco-Friendly Approaches to Enhance the Vase Life of Cut Flowers: A Comprehensive Review" 3. "Natural Preservatives for Sustainable Post-Harvest Management of Cut Flowers: A Review of Eco-Friendly Solutions" These alternatives emphasize sustainability and the specific focus on natural or eco-friendly preservatives, making the manuscript's purpose clearer to potential readers in the scientific community.	
<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 should summarize the study's aim to evaluate eco-friendly preservatives for extending the vase life of cut flowers, emphasizing sustainability. It should outline methodologies like testing plant extracts and essential oils under controlled conditions and present key findings, such as specific preservatives increasing vase life by a measurable percentage.	
<b>Is the manuscript scientifically, correct? Please write here.</b>	The manuscript appears to be scientifically sound, addressing the critical factors affecting the vase life of cut flowers and exploring the use of eco-friendly preservatives. It provides a comprehensive review of various studies, detailing the effectiveness of natural extracts and essential oils in extending flower longevity while minimizing environmental impact. However, there are areas for improvement, such as ensuring complete and consistent referencing, clarifying methodologies, and presenting data clearly to enhance the overall clarity and rigor of the research. Additionally, minor typographical errors should be corrected to maintain professionalism. Overall, with these adjustments, the manuscript could significantly contribute to sustainable practices in floriculture.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The existing references are robust and recent, incorporating additional studies on innovative technologies and regional practices could provide a more comprehensive perspective on sustainable post-harvest practices for cut flowers.	

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<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Overall, the language quality of the article is suitable for scholarly communications, effectively conveying its message while adhering to academic standards. With minor adjustments</p>	
<p><b>Optional/General</b> comments</p>	<p><b>Summary of Errors and Anomalies</b></p> <ol style="list-style-type: none"> <li>1. Punctuation and Capitalization: <ul style="list-style-type: none"> <li>- The phrase "the post-harvest elements that impact the vase life of cut flowers" should start with a capital letter: "The post-harvest elements..."</li> <li>- The term "cut flower Vase-life" should be consistently formatted as "cut flower vase life."</li> </ul> </li> <li>2. Clarity and Conciseness: <ul style="list-style-type: none"> <li>- The phrase "These include of temperature, ethylene, pH, water quality, water absorption, and harvesting time" is awkwardly phrased. It should read: "These include temperature, ethylene, pH, water quality, water absorption, and harvesting time."</li> <li>- The phrase "which are listed table 1" should be corrected to "which are listed in Table 1."</li> </ul> </li> <li>3. Repetition: <ul style="list-style-type: none"> <li>- The term "vase life" is repeated frequently; consider varying the language or structure to avoid redundancy.</li> <li>- The phrase "environmentally friendly floral preservatives" appears multiple times; consider using synonyms or rephrasing to maintain reader interest.</li> </ul> </li> <li>4. Grammar and Syntax: <ul style="list-style-type: none"> <li>- In the sentence "Cut flower crops like gladiolus and tuberose and others have been the subject of several research," change "research" to "studies" for grammatical correctness: "...subject of several studies."</li> <li>- The phrase "as confirmed by the microbial count and seen by the Scanning Electron Microscope (SEM)" could be more concise: "as confirmed by microbial counts observed via Scanning Electron Microscope (SEM)."</li> </ul> </li> <li>5. Typographical Errors: <ul style="list-style-type: none"> <li>- Ensure consistent formatting for scientific names (e.g., <i>Moringa oleifera</i> should be italicized).</li> <li>- Inconsistent spacing in phrases like "salicylic acidand leaves extract" should be corrected to "salicylic acid and leaf extracts."</li> </ul> </li> <li>6. Figures and Tables <ul style="list-style-type: none"> <li>- Ensure that all references to tables (e.g., "Table 1") are properly formatted with consistent capitalization: it should read "Table 1."</li> </ul> </li> <li>7. Ambiguity: <ul style="list-style-type: none"> <li>- The phrase "the effect was stronger with MLE" could be clarified by specifying what MLE refers to earlier in the paragraph for readers unfamiliar with the acronym.</li> </ul> </li> <li>8. Consistency in Measurements: <ul style="list-style-type: none"> <li>- Ensure consistency in presenting measurements (e.g., mg L<sup>-1</sup> should be consistently formatted throughout).</li> </ul> </li> <li>9. Lack of Cohesion: <ul style="list-style-type: none"> <li>- Some sections could benefit from clearer transitions between ideas or studies to improve overall flow.</li> </ul> </li> <li>10. Missing References: <ul style="list-style-type: none"> <li>- Ensure that all studies referenced are properly cited with complete information for clarity.</li> </ul> </li> </ol> <p><b>Suggested Revisions</b></p>	

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- Corrected punctuation errors.  
- Improved clarity through rephrasing.  
- Ensured consistent formatting for scientific names.  
- Addressed grammatical issues.  
- Reduced redundancy throughout sections.

These revisions will enhance clarity while maintaining the original intent of your text regarding pre-harvest/post-harvest factors affecting cut flowers' vase life along with effective eco-friendly preservatives available within floriculture today!

**References**

Here's a summary of the anomalies and errors found in the references provided:

- Inconsistent Formatting**
  - Some references use inconsistent punctuation and formatting, such as inconsistent use of periods, commas, and spaces in author names and article titles.
  - The use of "et al." should be consistent in terms of spacing and punctuation (e.g., "Hassan, F.A.S.; Schmidt, G." vs. "Hassan et al. (2020)").
- Incomplete References:**
  - Reference 23 appears to be incomplete, ending abruptly with "Wang, C., Gao, J., " without providing full details on the article or journal.
- Incorrect Journal Titles:**
  - Ensure that journal titles are consistently formatted (e.g., italicized) and correctly spelled. For example, "HortTech" should be consistently referred to as "Horticultural Technology" if that is its full name.
- Missing Volume and Page Numbers:**
  - Some references lack complete citation details, such as volume and page numbers. For instance, reference 6 ("International Journal of Horticulture. 5(6):1– 5") should be checked for accuracy in journal title formatting.
- Typographical Errors:**
  - In reference 10, "Dianthus caryophyllus" contains a typographical error; it should be "Dianthus caryophyllus."
  - In reference 12, ensure that there are no unnecessary spaces before or after punctuation marks.
- Inconsistent Use of Abbreviations:**
  - The abbreviation for journals should be consistent throughout (e.g., using "Int J Biosci" vs. writing out the full journal name).
- Author Name Formatting:**
  - In some entries, author names are formatted differently (e.g., some use initials with periods while others do not). This should be standardized across all references.
- Year Formatting:**
  - Ensure that the year is formatted consistently across all entries (e.g., some references use parentheses around the year while others do not).
- Citation Style Consistency:**
  - The citation style should be consistent throughout the list (e.g., APA, MLA). For example, ensure that all entries follow the same structure for author names, publication year, title capitalization, and source details.

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	<p>10. Reference Numbering:</p> <ul style="list-style-type: none"><li>- Ensure that reference numbering is sequential without any gaps or duplicates.</li></ul> <p><b>Suggested Revisions</b></p> <ul style="list-style-type: none"><li>- Standardize formatting for all entries.</li><li>- Complete any incomplete references.</li><li>- Check for correct journal titles and ensure they are italicized.</li><li>- Correct typographical errors.</li><li>- Ensure consistent abbreviation usage.</li><li>- Maintain uniformity in author name formatting.</li><li>- Verify year formatting consistency across all references.</li><li>- Ensure citation style is uniform throughout the list.</li></ul> <p>These revisions will enhance the clarity and professionalism of your reference list while ensuring adherence to academic standards.</p>	
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### **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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