

**Review Form 3**

Journal Name:	<a href="#">Biotechnology Journal International</a>
Manuscript Number:	Ms_BJI_130802
Title of the Manuscript:	“Role of chemical disinfectants in disease management and enhancing mulberry sericulture productivity: a review”
Type of the Article	Review Article

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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>
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.	This manuscript provides a comprehensive review of the role of chemical disinfectants in managing diseases within the sericulture industry, an area of growing concern due to the increasing prevalence of pathogen outbreaks. By highlighting the mechanisms and applications of these disinfectants, the manuscript offers valuable insights into effective disease management strategies, which can help enhance silkworm productivity and silk quality. This review also addresses the potential benefits of improving hygiene practices in sericulture, contributing to a more sustainable and resilient industry. The findings presented will be beneficial to researchers, practitioners, and policymakers focused on improving sericulture practices and mitigating the impact of diseases on silk production.	
Is the title of the article suitable? (If not please suggest an alternative title)	<p>The title of your article, <i>"Role of Chemical Disinfectants in Disease Management and Enhancing Mulberry Sericulture Productivity: A Review,"</i> is clear and descriptive. However, it could be made slightly more concise and focused while still conveying the main message. Here's an alternative suggestion:</p> <p><b>"Chemical Disinfectants in Disease Management and Productivity Enhancement in Mulberry Sericulture: A Review"</b></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>The abstract of your article is generally clear and provides a good overview of the topic. However, there are a few areas that could be enhanced to make the abstract more comprehensive and informative:</p> <p><b>Suggestions for Improvement:</b></p> <ol style="list-style-type: none"><li><b>Contextualization:</b> You could briefly mention the significance of the sericulture industry in the global economy or its importance to the agricultural sector, as this would provide more context to readers unfamiliar with the field.</li><li><b>Scope:</b> While the abstract mentions the role of chemical disinfectants, it might be helpful to briefly mention the types of disinfectants (e.g., chemical, biological, or natural disinfectants) and the specific diseases they target, to give a clearer picture of the scope.</li><li><b>Impact:</b> Consider adding a brief statement on the potential outcomes of improving disease management through disinfectants (e.g., enhanced productivity, reduced mortality, better silk quality, sustainability).</li><li><b>Concluding Sentence:</b> You might want to add a sentence that hints at the broader implications of the review, such as suggestions for future research or potential improvements in sericulture practices.</li></ol>	
Is the manuscript scientifically, correct? Please write here.	Based on the abstract and your title, the manuscript appears to be scientifically sound, particularly if it focuses on the role of chemical disinfectants in disease management within the sericulture industry.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, References are sufficient	

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Is the language/English quality of the article suitable for scholarly communications?	Based on the abstract and the title provided, the language and overall English quality of the article appear to be appropriate for scholarly communication.	
Optional/General comments	<p>Here are some optional and general comments that could be added to your manuscript to further improve its quality:</p> <p><b>1. Introduction and Background:</b></p> <ul style="list-style-type: none"><li>Consider expanding the introduction to provide more background on the global significance of sericulture, especially in the context of its economic impact in various countries.</li><li>A more detailed explanation of the challenges faced in sericulture (such as the impact of diseases, pests, and climate change) could provide context for the need for chemical disinfectants.</li></ul> <p><b>2. Inclusion of Relevant Data:</b></p> <ul style="list-style-type: none"><li>If available, including specific data or case studies showing the success of chemical disinfectants in improving sericulture productivity would strengthen the manuscript. For example, citing instances where the use of disinfectants has reduced disease prevalence or increased silk yield could add credibility to your discussion.</li></ul> <p><b>3. Comparison with Other Disease Management Techniques:</b></p> <ul style="list-style-type: none"><li>It might be valuable to briefly compare chemical disinfectants with other disease management techniques, such as biological or natural control methods. This comparison could help clarify why chemical disinfectants are particularly effective in certain scenarios, or when they might be most appropriate to use.</li></ul> <p><b>4. Environmental and Health Considerations:</b></p> <ul style="list-style-type: none"><li>Given the increasing global emphasis on sustainability and safety, it may be helpful to address the environmental impact of using chemical disinfectants, as well as the safety measures required for their application in sericulture. A section on the environmental and human health risks of over-reliance on chemicals could provide a balanced view.</li></ul> <p><b>5. Future Research Directions:</b></p> <ul style="list-style-type: none"><li>You might want to include a section toward the conclusion that highlights areas for future research, such as exploring more eco-friendly disinfectants, or developing new formulations that could enhance the effectiveness of disease management without harming silkworms or the environment.</li><li>Addressing the need for more data on long-term outcomes, such as the impact of chemical disinfectants on silkworm resistance, could also be a valuable addition.</li></ul> <p><b>6. Figures and Tables:</b></p> <ul style="list-style-type: none"><li>If applicable, including figures or tables summarizing the types of pathogens, common disinfectants, and their mechanisms of action could make the manuscript more engaging and easier to understand. Visuals often help in conveying complex information more effectively.</li></ul> <p><b>7. Conclusion:</b></p> <ul style="list-style-type: none"><li>Your conclusion could briefly summarize the main findings of the review and offer clear, actionable recommendations for practitioners in the sericulture industry, such as best practices</li></ul>	

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	<p>for using disinfectants or integrating them into regular disease management protocols.</p> <p><b>8. References:</b></p> <ul style="list-style-type: none"><li>Ensure that all sources are up-to-date and from reputable, peer-reviewed journals. The manuscript will benefit from a diverse range of references, including studies on chemical disinfectants in agriculture and sericulture, as well as related fields like pest management and environmental sustainability.</li></ul>	
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PART 2:

	<b>Reviewer’s comment</b>	<b>Author’s comment</b> <i>(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)</i>
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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