

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_121260
Title of the Manuscript:	Silk Revolution: Redefining Sericulture through Application of Precise Nanotechnologies
Type of the Article	

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PART 1: Review Comments

<u>Compulsory</u> 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.	The article has the potential to significantly impact scientific research, industrial practices and technological innovation, making it highly valuable to the scientific community. I like this manuscript because of the advancement of knowledge it highlights, improving silk production with enhanced material properties leading to the innovations in biomedical applications through cross disciplinary collaborations escalating the economic benefits.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is suitable. The title "Redefining Sericulture through Application of Precise Nanotechnologies" clearly indicates the focus of the study, making it clear that the paper discusses the impact of nanotechnology on the sericulture industry.	

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<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 comprehensive, covering a broad range of applications and implications of nanotechnology in sericulture. However, there are some areas where it can be refined for clarity and completeness.</p> <p>Suggestions for Addition:</p> <ol style="list-style-type: none"> 1. Context Setting: Start with a brief introduction to the traditional methods of sericulture to provide context for the significance of nanotechnology innovations. 2. Economic and Environmental Impact: Mention the potential economic and environmental benefits of applying nanotechnology in sericulture. 3. Specific Techniques: Highlight a few specific nanotechnology techniques or methods used in the improvements mentioned. 4. Future Directions: Briefly touch upon potential future research directions or applications that could stem from these advancements. <p>Suggestions for Deletion:</p> <ol style="list-style-type: none"> 1. Redundancy: Remove redundant phrases to streamline the abstract and make it more concise. 2. Overly Technical Details: Simplify some overly technical details that may not be necessary for the abstract's purpose of summarizing the main points. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Overall, the structure and subsections of the manuscript are appropriate and well-organized. Minor adjustments for clarity, consistency, and elaboration on certain points will enhance the readability and impact of the manuscript.</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>This manuscript is scientifically robust and technically sound due to its comprehensive review of the intersection between nanotechnology and sericulture. It accurately discusses the application of various nanomaterials—such as nanoparticles, nanofibers, and nanocoatings—to enhance silk properties and addresses their specific roles in improving strength, durability, and functionality. The manuscript also thoroughly explores cutting-edge advancements in disease management and quality enhancement, supported by current research and evidence from peer-reviewed sources. Additionally, it critically assesses the challenges and considerations associated with integrating nanotechnology into sericulture, ensuring a balanced and well-rounded examination of the topic.</p>	

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<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>1. Suggestions for Additional References:</p> <ul style="list-style-type: none"> ○ Consider including recent reviews or studies specifically focusing on the latest advancements in nanotechnology for sericulture. For example: <ul style="list-style-type: none"> ▪ Recent review articles on advancements in nano-enabled materials for agriculture and textiles. ▪ Recent studies or reviews from 2023 and beyond to ensure up-to-date coverage. <p>2. Potential Additional References:</p> <ul style="list-style-type: none"> ○ "Recent advances in nanotechnology for sericulture" from a reputable journal could provide the latest insights. ○ "Applications of nanomaterials in textile engineering and sericulture" focusing on recent innovations. <p>Overall, while the references are generally adequate and cover a broad range of relevant topics, including a few more recent and specific studies or reviews could further enhance the manuscript's relevance and accuracy.</p>	
<p><u>Minor REVISION</u> comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>		

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<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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