

Review Form 1.7

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| Journal Name: | Journal of Advances in Biology & Biotechnology |
| Manuscript Number: | Ms_JABB_122249 |
| Title of the Manuscript: | Advancements in Sericulture: Innovations and Biomedical Applications of silk and its derivatives |
| Type of the Article | Review Article |

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PART 1: Review Comments

| | 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) |
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| <p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>The ms highlights the latest developments in sericulture, focusing on innovative techniques and applications of silk. This research also explores its emerging role in biomedical fields how silk and its derivatives can be utilized in medical devices, tissue engineering, and drug delivery systems. The ms paves the way for interdisciplinary advancements and novel therapeutic solutions contributing to both scientific knowledge and practical healthcare applications.</p> <p>I like the ms and its subject the integration of sericulture innovations with cutting-edge biomedical applications highlights the multifaceted potential of silk beyond textiles. It provides valuable insights into the evolving field of sericulture and its significant contributions to biotechnology.</p> <p>Yes, title is self explanatory</p> <p>Abstract part is missing some introductory information on sericulture and its production. Problems in the production are also to be addressed. Some lines are to be incorporated in the abstract.</p> <p>The subsections and structure of the manuscript are appropriate? The ms looks structured through AI content as it is showing no specific discussion on various issues with other workers and also ms does not have proper citations in the entire ms except reference [16-17] and [18-20] in the introduction. However, authors mention a series of references in the reference list but did not cite them in the text. I think the ms has been prepared in a hurry. The ms should have proper citations with their findings.</p> <p>The ms appears to be scientifically robust, providing a comprehensive overview of recent advancements in silk production and its versatile biomedical applications. The discussion on genetic modifications in silkworms and the development of silk-based biomaterials demonstrates a thorough understanding of molecular biology and material science. Furthermore, the manuscript effectively correlates the unique properties of silk with its potential in regenerative medicine and drug delivery systems, showcasing well-researched and up-to-date scientific knowledge.</p> <p>References in the list are not in proper format. Similarly, only reference [16-17] and [18-20] are cited in the entire ms. Authors must remember, this is a review article and should have discussed the issues with earlier findings. Then, the advancement in the subject can be properly addressed. Authors are advised to mention the citations mentioned in the reference list.</p> | |

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| Minor REVISION comments | | |
| 1. Is language/English quality of the article suitable for scholarly communications? | The article is suitable for communication after revision incorporating all the suggestion and then it will exert more subject expression upon the readers. | |
| Optional/General comments | | |
| | The subject of the review is significant and can be accepted after proper revision. | |

PART 2:

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| | Reviewer's comment | Author's comment (if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in detail)</i> NA | |

Reviewer Details:

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