

Review Form 1.7

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_96953
Title of the Manuscript:	Extraction and Biological application of Silk Sericin: an over view
Type of the Article	Minireview Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajob.com/index.php/AJOB/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. The article highlights the applications of silk sericin in various fields such as biomedical and nanoformulation. The chemical properties of silk and the aminoacid composition of sericin are presented, together with the morphology of the silk gland and the process of sericin synthesis. Also, the sericin extraction procedures from raw silk are described and referenced, as well as the methods for obtaining sericin conjugated nanoparticles and their applications in medicine.</p> <p>2. Please revise the title: "Extraction and Biological application of Silk Sericin: an overview"</p> <p>3. The abstract summarizes the content of the revised article.</p> <p>4. The subsections and structure of the manuscript are appropriate for the journal.</p> <p>5. The revised manuscript is scientifically correct.</p> <p>6. The references are appropriate to the topic of the revised article. The description of table 1 is not correct; this refers to the silk components, and not to the composition of sericin: "Table 1. Composition of sericin". The source in figure 1 is not fully specified. Please mention the reference number of the article used in the references list between square brackets.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>An extensive spelling and a grammar check is necessary. Please rephrase some of the expressions, such as:</p> <p>"In india all these varieties of silk are cultivated." "This variety of oak tassar is generally found in the sub- Himalayan region of india which including the states of Meghalaya" "According to kumar and Ramachandran this fiber can be suitable for thermal wear and inner garments [32]." "Muga is the word derived from Sanskrit word which means "amber" and also referred as "pride of india" [28]. The thickness of the wall is 277±29mm. The average length is 450 m and the fibr density is 1,332-1.338g/cm3." "Out of 18 kind of amino acids present in sericin, serine accounts for 27.3% which is high. serine having strong polar hydroxyl groups and is related to physiochemical and functional properties of sericin." "Now a days sericin is retrieved by silk degumming process [45]." "Double desolvation method followed by some researchers To get condensed and thin size nanoparticles, several researchers follow the double desolvation method [68]." "So, it is concluded that sericin based silver nanoparticles holds a pronounced antibacterial activity, which suggests that a wide range of applications with a cheap-priced and established antimicrobial agent. Pankongadisak et al., (2018), invented gentamicin sulfate-based Poly (L-lactic acid) sericin fusion scaffolds." "Sericin-based dressing is a potential engineered nanomaterial is effective for the curing of chronic wounds like diabetic foot ulcers." "According to aramwit et al, This sericin can reduce the growth of fibroblasts and collagen production without any activation of pro- inflammatory cytokines."</p>	
<p>Optional/General comments</p>		

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PART 2:

	Reviewer's comment	Author's comment <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>	

Reviewer Details:

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