## **Title :**Isolation, purification and characterization of sericin protein from the discharge water from silk industry

This manuscript can be revised taking into consideration of the following comments.

###### 1) Comment on the Language and Grammar, Also indicate whether language editing required?

Language and Grammar is alright

###### 2) General comment on the technical content of the Manuscript.

Sericin protein of silkworm is characterized using different methods to assess its property

###### 3) Clarity of the title reflection the content and findings of the manuscript.

Title is ok. But it can be modified as “Characterization of silkworm sericin protein from the discharge water from silk industry”

###### 4) Whether the component of the abstract is cleared summarized?

Importance of sericin protein of silkworm is a well known; hence new finding can be highlighted in the abstract.

Abstract first like – Silk worm is an insect fiber to be changed as silkworm secret protein fiber,

###### 5) Comment on the importance, appropriateness and purpose in the introduction.

Introduction clearly explains the importance of sericin. However, introduction section can include earlier reports on the silkworm sericin protein characterization. Also add information on different protein characterization method described in this manuscript.

###### 6) How well Materials and methods are detailed. Please specify whether the objective are clearly focused, choice of experimental methods,statistical design, and analytical methods followed, and qualify graphs, tables and figures

Only the methodology on isolation and purification of sericin protein is given. All the methods used for sericin protein characterization needs to be included. Is the method on isolation and purification of sericin protein is developed new or followed earlier reported. It is not clear. Please also carry out the correction as given below in this section.



###### 7) Whether the results are presented appropriately?

The result and discussion part to be explained more and compared along with earlier reports. Sub-heading should be more informative. For example, SDS-PAGE analysis of sericin protein instead of SDS-PAGE. Earlier reports on sericin protein characterization need to be included in the discussion. In general, the results can be modified for better clarity and understanding.



Scanning electron microscopy



###### 8) How well the data analyzed and presented?

Data analyzed and presented well

###### 9) Comment on the hypotheses or research questions addressed along with supporting data.

Important research problem addressed.

###### 10) Overall Scorings of the Manuscript

7 out of 10

###### 11) Recommendation: b. Recommend minor corrections