Reviewer #1:

1. Q: The explanation on significant increase of fiber diameter from 200nm to 7 micrometer should be provided.

A: According to the reviewer’s suggestion, we added more experimental data, and in all cases the diameter of fibers was increased. The explanation for excessive growth of fiber’s diameter is the fast and intensive growth of plate like brucite crystals along the fiber.

1. Q: Additional SEM image on the overview of MG(OH)2 fibers would be usefull.

A: Additional SEM image has been provided as suggested by reviewer.

1. Q: The crystallite size can be easily calculated from XRD data.

A: The crystallite size was calculated from XRD data and presented in the paper.

Reviewer #2:

1. Q: Introduction: The article describes a method for the synthesis of MgO Mg-hydroxide fibers by template-assisted method. A topic is interesting, and a method using spider silk as a template is new. However, article lacks experimental data. It could be more detailed.

A: We agreed with this comment and we made appropriate changes in the manuscript. The experimental data have been explained in more details, after proposition of the reviewers.

1. Q: Authors should mention what could be a potential application for Mg(OH)2 fibers

A: We added the additional information about the importance of synthesis fiber-like Mg(OH)2 and additional references have been provided.

1. Q: Results: For research article authors should include more results. At least some comparison between different times and temperatures. It is not mentioned in experimental neither in results, according to what were the parameters chosen.

A: According to the proposition, we expanded our research with including different temperatures and different incubation times. The chosen parameters were selected based on the literature data, and explained now in the manuscript.

1. Is it typical for MgO to form plate-like structure? Would the structure or the surface area be different at some other experimental conditions

Mg(OH)2 has a natural tendency to form hexagonal platelets and this is consistent with the hexagonal crystallographic characteristics of brucite.

1. Q: The longer incubation time for obtaining pure hydroxide should be included in order to add some value to the manuscript.

A: The longer incubation time (96 h) have been included in examination, and pure Mg(OH)2 was synthesized.