Thank you for these notes.

**Response to AC2**

- **Introduction 1: What made you choose cellulose paper?**
  Done, Page 2 Line 46 to 50.

- **Introduction 2: Objective of the research is lacking.**
  Done, Page 2, Line 51 to 54.

- **Introduction 3: The novelty of the paper should be explained and added.**
  Done, Page 2, line 54. Some new types of bacteria

- **Materials and methods 1: Why was this water chosen as a model water?**
  Done, Page 2, Line 58 to 59.

- **Materials and methods 2: How were the bacteriological analysis done?**
  Mentioned, Page 4, Line 88 to 96.

- **Materials and methods 2: How were the colonies counted?**
  Done, Page 4, Line 96 to 97.

- **Materials and methods 3: origin of the cellulose paper should be stated.**
  Done, Page 5, line 64.

- **Materials and methods 4: why were ratios 2:1 and 10:1 chosen?**
  Done, Page 4, lines 66 and 67.

- **Materials and methods 5: Figure 1 – should be repeated with different background/ preferably white background.**

These papers were taken during the study and there is no possibility of repeating them.

- **Results 1: Reference on turbidity removal with only cellulose paper should be measured.**
It’s measured with only cellulose paper already.

**-Results 2:** *Minimum Inhibitory concentration should be mentioned and defined.*

Done, Page 8, lines 137 and 138.

**-Results 3:** *It is difficult to make very clear conclusions if Figures 3 and 4 are compared.*

This concern the silver content concentration, we can conclude the 100% inactivation can be reached with less silver content in 10:1 ratio.

**-Conclusion 1:** “*AgNPs papers can be used a good point of use filters*” – *This is strong conclusion since it was not compared to other technologies.*

This conclusion was not mentioned as a comparison with other technologies it was based on the results abstained from this study.

**- Abbreviations are not correct and should be corrected.**

Done

**-References Suggestion is to use recent references.**

These are the most recent references concerning this study.

**Response to AC4**

- **Section 2.5, microbial testing:** Please describe how the testing of the paper was done?

The microbial was conducted for water samples not for AgNPs papers.

- **Section 3, Results and discussion:** Placing the study results in wider context remains missing.

Done