

## Reviewer 1

1. *The main findings of your results should be highlighted in abstract*

We have rewritten the abstract.

2. *Please do not separate introduction in three sections combine with problem and technology you used and challenges and your solutions.*

We have rewritten the Introduction section. We wanted to keep the separation of the Introduction section into the respective subsections because the Introduction is relatively lengthy, so we believe that dividing it into subsections reduces its readability.

3. *In page 4 heading 2. (How to start with and ??).*

Corrected.

4. *All formula and models should be supported with reference for instant equation 3.* Corrected

5. *In page 6, please remove the footer, it is not a book to describe issues below.*

Corrected. Now this sentence appears in text (in brackets).

6. *How do you think control factors in open system such as pressure and temperature*

In our simulation, we control the volume of the simulation box and measure the pressure using the virial theorem. The pressure value which is depicted in the Figures assumed to be a partial pressure of the gel, which is calculated as the difference between the pressure in the gel and the pressure calculated in a separate simulation box containing only ions (with no gel). Temperature assumed to be constant and equal to 300 K, which is guaranteed by applying a Langevin thermostat.