***Supplementary material***

**Cellulose microfibril networks in hydrolysed soy protein isolate solutions**

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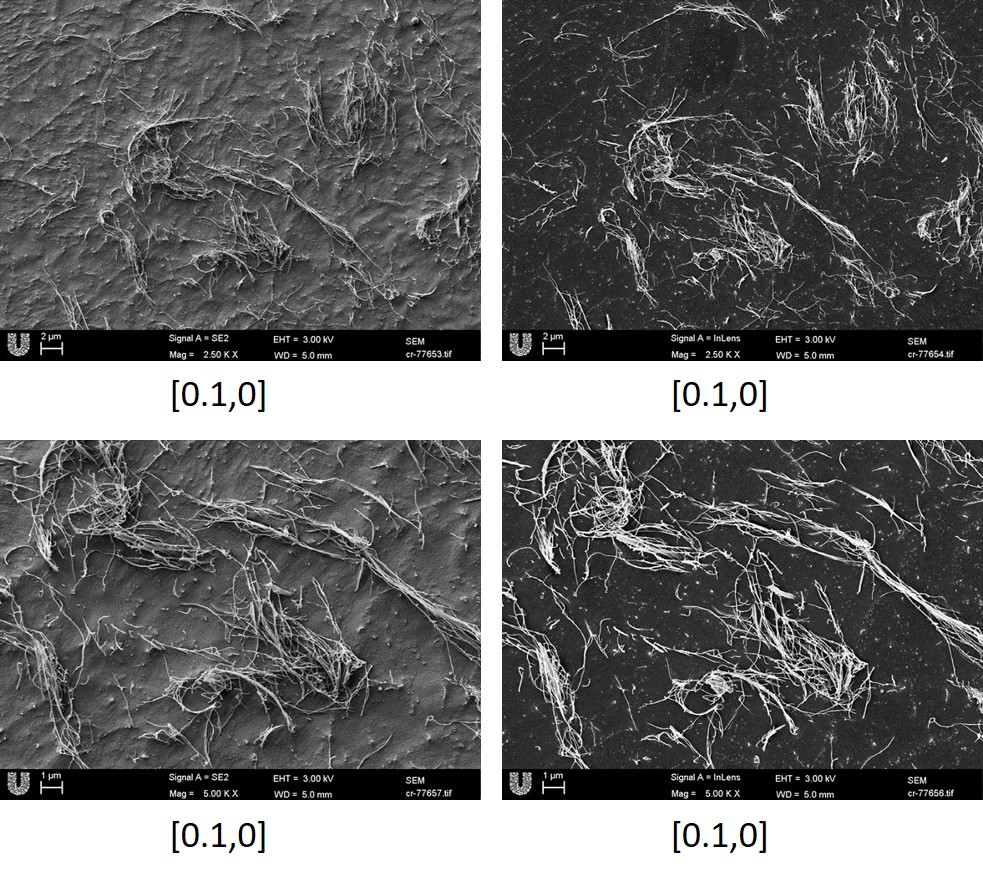
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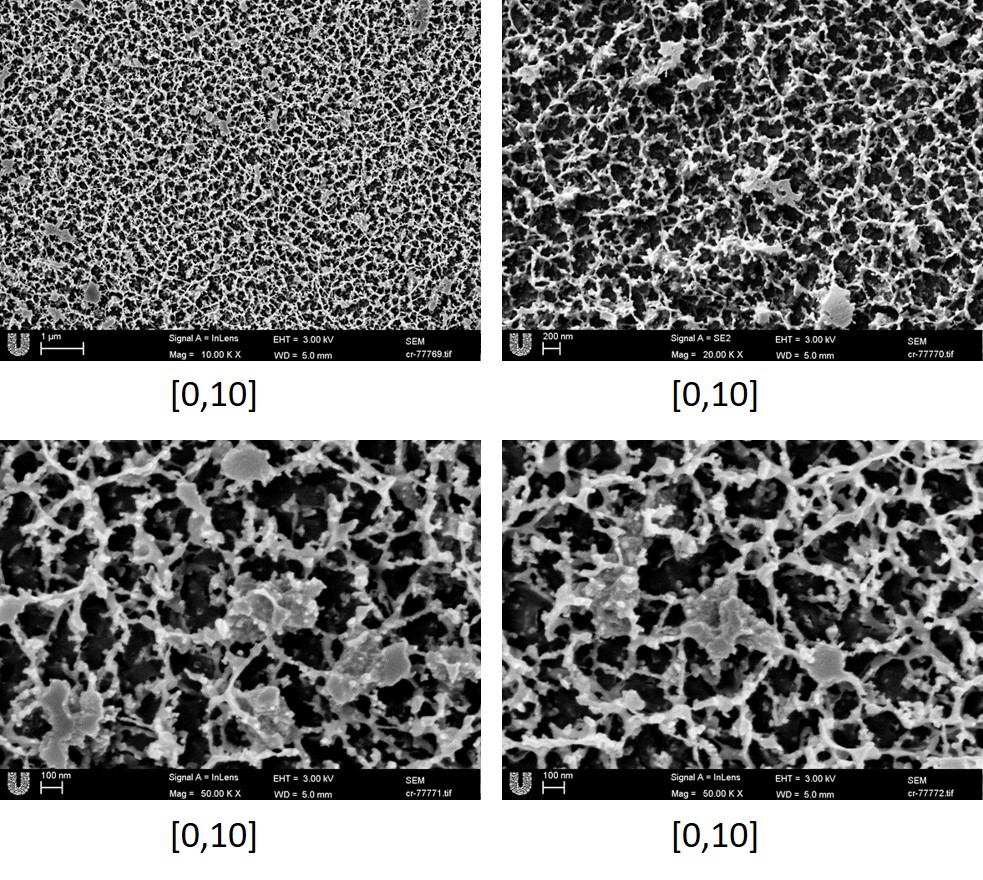
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**Figure S1. Cryo-SEM micrographs of the CMF-HSPI dispersions**

Representative cryo-SEM images of CMF dispersions. The Cryo-SEM micrographs show the attractive nature of the CMFs: the CMFs are always appearing as bundles where the single fibrils are connected to neighboring fibrils. This bundling is mainly due to hydrogen bonding and van der Waals attractions between the CMFs.

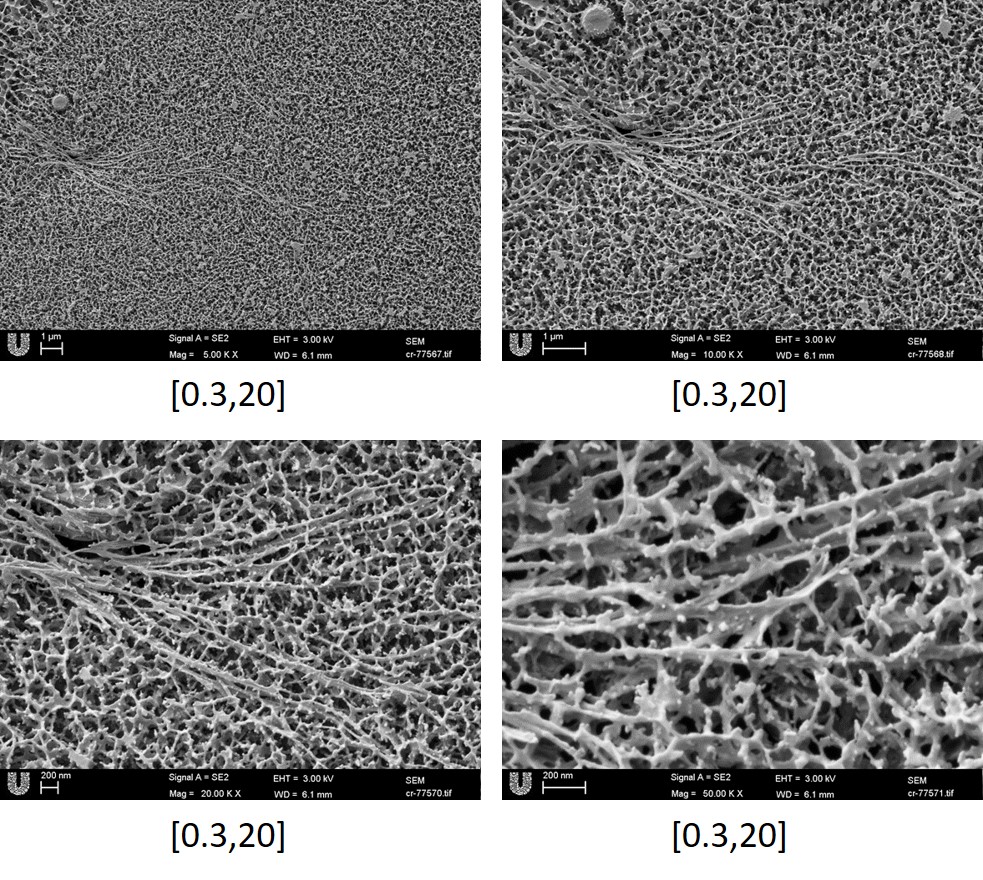


**Figure S2. Cryo-SEM micrographs of the HSPI dispersions**

Representative cryo-SEM images of HSPI dispersions. The formation of HSPI network were observed. We observed here the formation of a kind of continuous network, confirming the results obtained by rheology, where G’ and G’’ values increased by increasing the HSPI concentration.

**Figure S3. Cryo-SEM micrographs of the CMF-HSPI dispersions**

Representative cryo-SEM images of CMF-HSPI dispersions at different HSPI and CMF concentrations. Concentrations of CMF (wt%) and HSPI (wt%) are given by [CMF, HSPI]. Here we observe a bundle of CMFs among the HSPI frozen solution. We observe as previously, globular particles at the surface of the CMFs which we are supposed to be HSPI particles.



**Figure S4. Cryo-SEM micrographs of the CMF-HSPI dispersions**

Representative cryo-SEM images of CMF-HSPI dispersions at different HSPI and CMF concentrations. Concentrations of CMF (wt%) and HSPI (wt%) are given by [CMF, HSPI]. As well as the in figure S3, we observe here a bundle of aligned CMFs. Despite the smaller concentration of HSPI, we still observe a dense network

