

## Supplementary Information

### **Exploiting flocculation and membrane filtration synergies for highly energy-efficient, high-yield microalgae harvesting**

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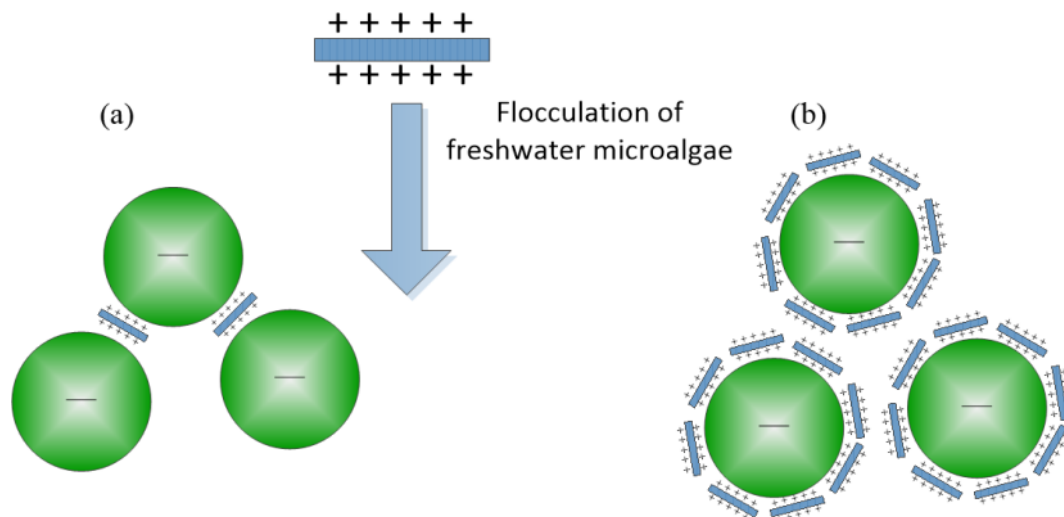
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**Supplementary Fig. 1 Schematic representations of (a) the possible patch mechanism of cationic modified CNCs, according to a previous study [1], and (b) the possible reason why disperse re-stabilization still occurs in some microalgae.**

### **Supplementary reference**

[1] J. Blockx, A. Verfaillie, S. Eyley, O. Deschaume, C. Bartic, K. Muylaert, W. Thielemans, Cationic Cellulose Nanocrystals for Flocculation of Microalgae: Effect of Degree of Substitution and Crystallinity, ACS Applied Nano Materials, 2 (2019) 3394-3403.

