## **Supplementary Materials**

## Design and performance of novel self-cleaning g-C<sub>3</sub>N<sub>4</sub>/PMMA/PUR membrane

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**Figure S1** SEM images of bulk g-C<sub>3</sub>N<sub>4</sub> (left) and STEM image of detailed thin structure of ECN (right).



Figure S2 HRSEM image of modified S4 fabric with indication of materials.



**Figure S3. a**) Microscope image with measured outer diameter of PUR nanofibers, **b**) outer diameter histogram.



**Figure S4.** Images of roughness measurement performed on a) unmodified fabric and b) modified S4 fabric.