

Supplementary Material for

Nanofiltration Membranes Formed through Interfacial Polymerization Involving Cycloalkane Amine Monomer and Trimesoyl Chloride Showing Some Tolerance to Chlorine during Dye Desalination

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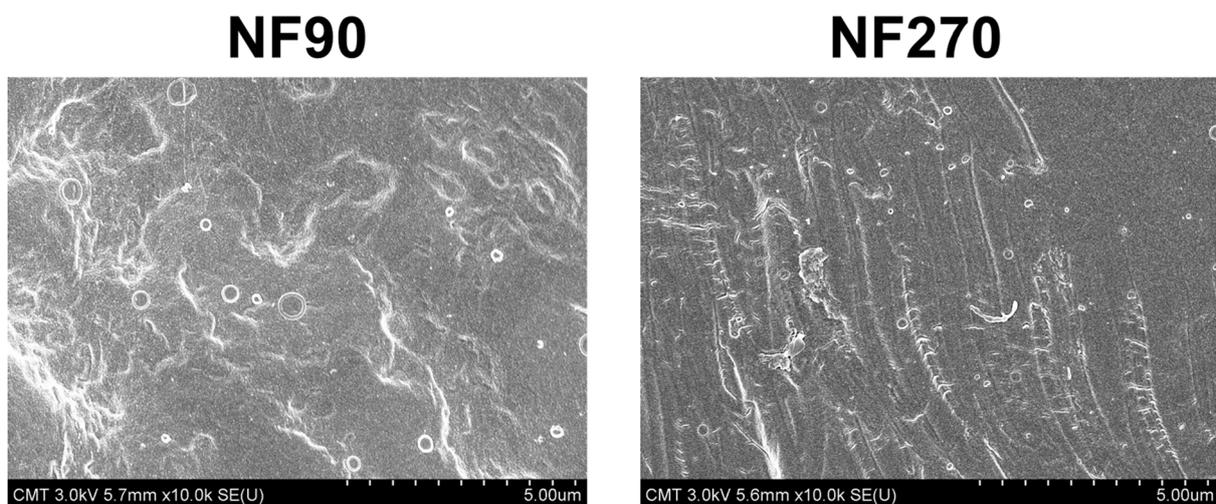


Figure S1. FESEM images of commercial membranes.

Adsorption study:

The adsorption study was followed from this work [1], but modified by contacting only the surface of the membrane with the dye solution. Briefly, wet membranes were clamped in a self-made vessel. Afterwards, 50 mL of 50 ppm brilliant blue R was poured into the vessel. The vessel was placed in the shaker at 100 rpm. The concentration of the dye in the vessel was measured at time t , using ultraviolet-visible spectroscopy, UV/Vis, Bio-Tek Instruments Inc., Winooski, USA.

1. B.M. Thamer, A. Aldalbahi, M. Moydeen A, H. El-Hamshary, A.M. Al-Enizi, M.H. El-Newehy, Effective adsorption of Coomassie brilliant blue dye using poly(phenylene diamine)grafted electrospun carbon nanofibers as a novel adsorbent, Mater. Chem. Phys. 234 (2019) 133-145. <https://doi.org/10.1016/j.matchemphys.2019.05.087>.