

Article

# Reconstruction and Removal Mechanisms of Gel-like Membrane Fouling for Seawater Desalination: Experiments and Molecular Dynamics Simulations

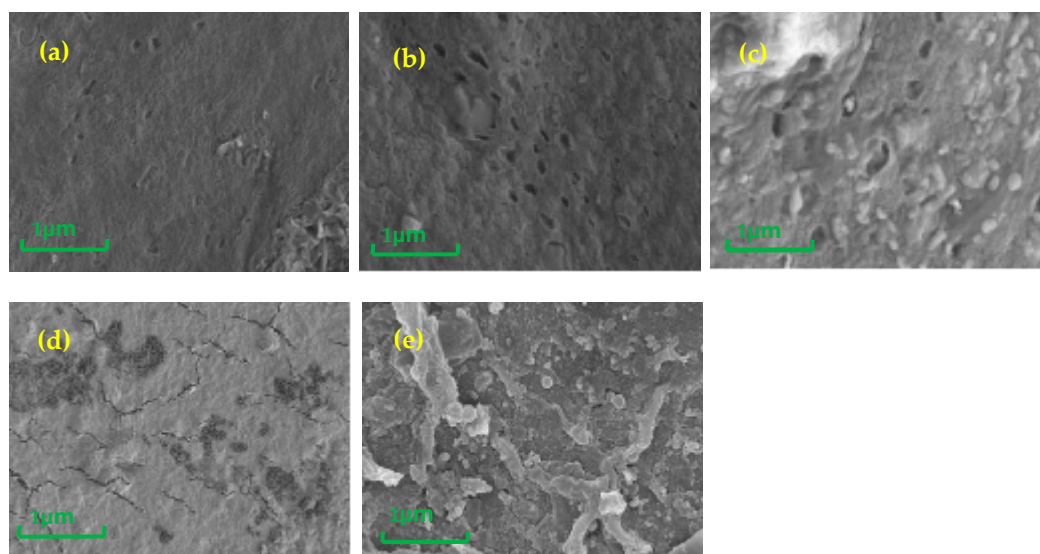
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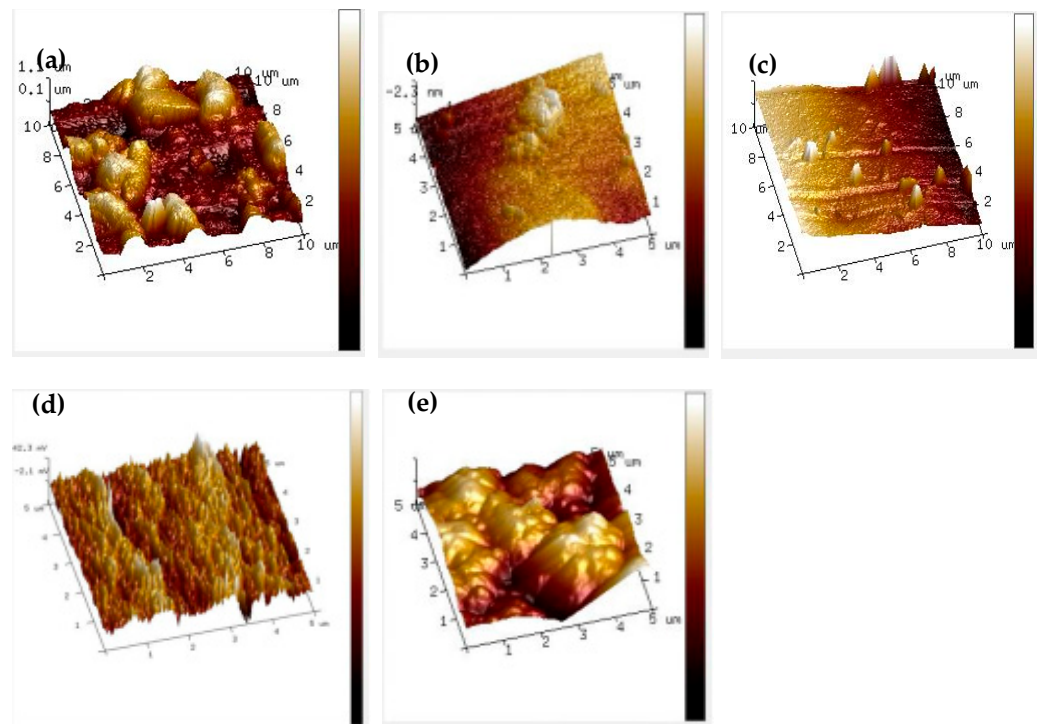
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**Supplementary Materials:** The following supporting information can be downloaded at: <https://www.mdpi.com/article/10.3390/polym14183734/s1>.



**Figure S1.** The pore size of gel layer.



**Figure S2.** The AFM images of the pollutant gel layer: (a) The concentration of organic acid was 2%; (b) The concentration of organic acid was 2.5%; (c) The concentration of organic acid was 3%. (d) The concentration of organic acid was 3.5%; (e) The concentration of organic acid was 4%.

**Table S1.** The elastic stiffness matrix (GPa) of the gel.

24.2133	8.8583	9.9454	-0.3980	0.3127	0.2524
8.8583	25.7148	9.3042	0.0528	0.0662	0.6521
9.9454	9.3042	23.4086	-0.7025	-0.5777	0.2322
-0.3980	0.0528	-0.7025	5.8946	-0.0417	-0.0586
0.3127	0.0662	-0.5777	-0.0417	6.9433	0.0375
0.2524	0.6521	0.2322	-0.0586	0.0375	7.3565