

## Accepted Manuscript

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PII: S1383-5866(17)30713-X

DOI: <http://dx.doi.org/10.1016/j.seppur.2017.06.032>

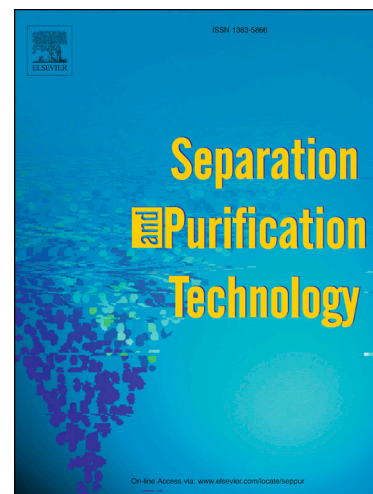
Reference: SEPPUR 13810

To appear in: *Separation and Purification Technology*

Received Date: 4 March 2017

Revised Date: 7 June 2017

Accepted Date: 14 June 2017



Please cite this article as: S. Sinha Ray, S-S. Chen, H-T. Hsu, D-T. Cao, H-T. Nguyen, N. Cong Nguyen, Uniform Hydrophobic Electrospun Nanofibrous Layer Composed of Polysulfone and Sodium Dodecyl Sulfate for Improved Desalination Performance, *Separation and Purification Technology* (2017), doi: <http://dx.doi.org/10.1016/j.seppur.2017.06.032>

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# Uniform Hydrophobic Electrospun Nanofibrous Layer Composed of Polysulfone and Sodium Dodecyl Sulfate for Improved Desalination Performance

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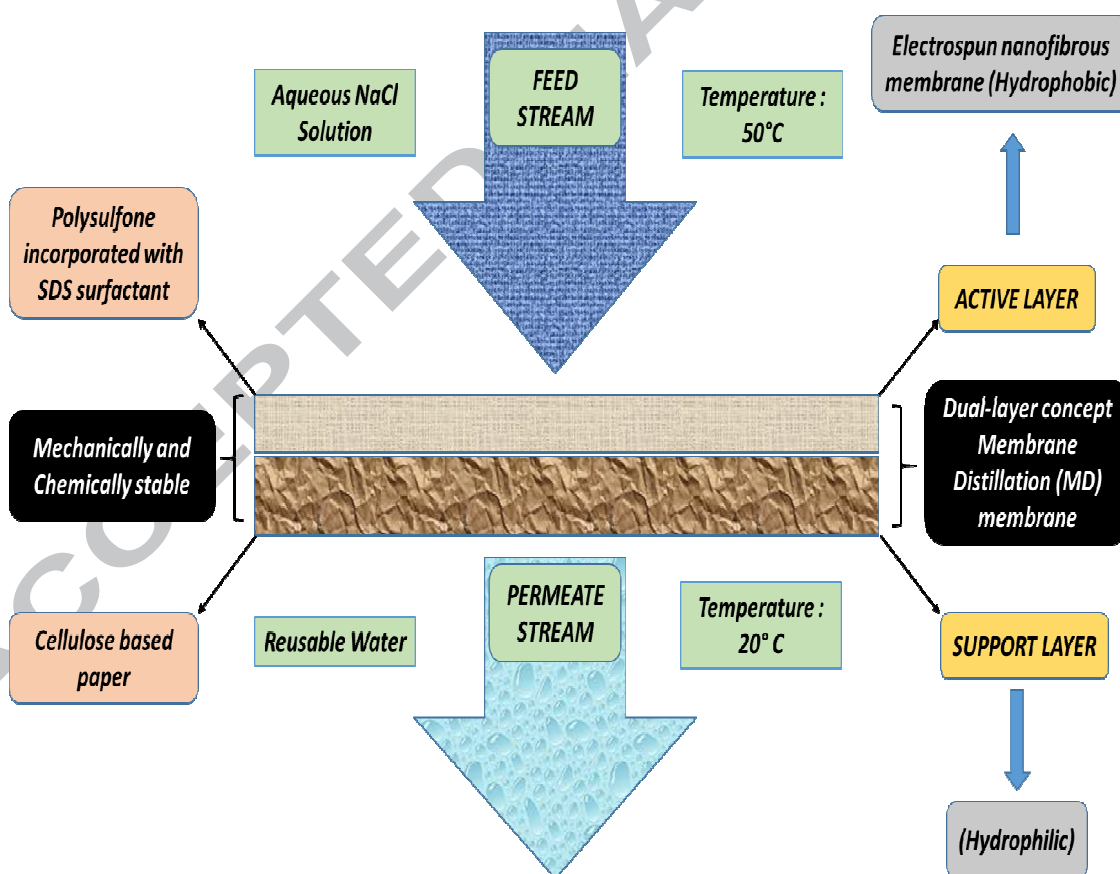
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## Research Highlights

- SDS found to be ideal additive for PSF solution in order to achieve uniform nanofibers
- PSF-SDS/CFP membrane shows higher rejection and permeate flux
- 16% PSF-SDS/CFP membrane shows best result in terms of desalination performance, chemical and mechanical durability after heat pressing post treatment

## Graphical Abstract



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