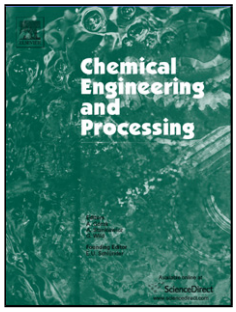

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Characterization and evaluation of poly(ether sulfone) membranes in biodiesel production using Liquid-Liquid Film Reactors

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Highlights:

- Poly(ethersulfone) membranes show good chemical and mechanical resistance to NaOH and methanol.
- Single components involved in the biodiesel production follow the Darcy's law.
- Permeability of compounds in the reactive mixture was lower than that showed by single components indicating fouling effects.
- Liquid – Liquid Film Reactor integrated with membranes is able to remove the mixture glycerol-methanol selectively.

Abstract