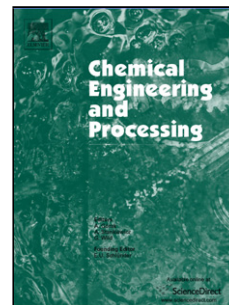


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Author: N. Bello P.C. Narváez J.G. Cadavid A.C. Habert L.D. Carreño M.A. Noriega



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

N. Bello^a, P.C. Narváez^{a,*}, J.G. Cadavid^a, A.C. Habert^b, L.D. Carreño^b, M.A. Noriega^{a,b}

^a. Universidad Nacional de Colombia, Departamento de Ingeniería Química y Ambiental, Grupo de Investigación en Procesos Químicos y Bioquímicos, Cra. 30 calle 45, Bogotá, Colombia.

^b.Lab. de Processos de Separação com Membranas e Polímeros, COPPE/UFRJ, Universidade Federal do Rio de Janeiro, Brasil.

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

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