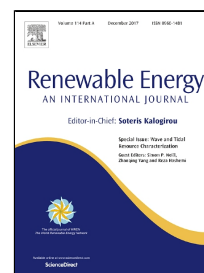


Accepted Manuscript

Transesterification of soybean oil by PAAc catalytic membrane: Sorption properties and reactive performance for biodiesel production

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PII: S0960-1481(17)30904-7
DOI: 10.1016/j.renene.2017.09.042
Reference: RENE 9240
To appear in: *Renewable Energy*
Received Date: 16 March 2017
Revised Date: 20 July 2017
Accepted Date: 12 September 2017

Please cite this article as: Gloria Aca-Aca, María I. Loría-Bastarrachea, F. Alberto Ruiz-Treviño, Manuel Aguilar-Vega, Transesterification of soybean oil by PAAc catalytic membrane: Sorption properties and reactive performance for biodiesel production, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.09.042

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Highlights Aca-Aca

- Novel PAAc catalytic membrane was prepared and compared to PVA membranes
- PAAc catalytic membrane presents higher methanol and oil swelling properties
- PAAc membranes show higher methanol and glycerol effective diffusion coefficients
- PAAc membrane is apt for simultaneous biodiesel production and glycerol separation.

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