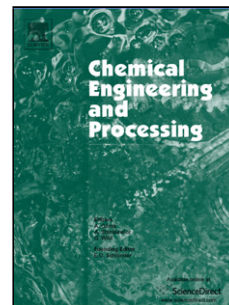


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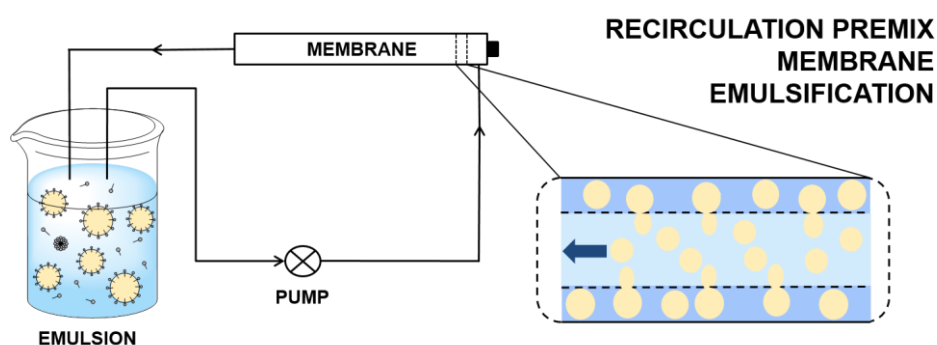
MONOMER-IN-WATER MINIEMULSIONS BY MEMBRANE EMULSIFICATION

Tamara Agner, Amadeo Zimmermann, Marco Di Luccio, Pedro Henrique Hermes de Araújo, Claudia Sayer*

Department of Chemical Engineering and Food Engineering, Federal University of Santa Catarina, Florianópolis SC, 88040-900, Brazil

* E-mail: claudia.sayer@ufsc.br

Graphical abstract



Highlights

- Two membrane emulsification set-ups were used to produce monomer-in-water emulsions.
- Recirculation premix membrane emulsification allows to prepare miniemulsions of 300 nm.
- Up to 30 % of dispersed phase was successfully miniemulsified.
- Recirculation premix membrane is a relatively fast process and has low energy demand.
- The ability of the pump used in the set-ups to emulsify the system was evaluated.

Abstract

Commercial products of miniemulsion polymerization are still scarce, and one of the major challenges for industrial implementation is the miniemulsification step. The aim

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