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Title: Comparative Study of Continuous and Intermittent Ultrasonic Ultrafiltration Membrane for Treatment of Synthetic Produced Water Containing Emulsion

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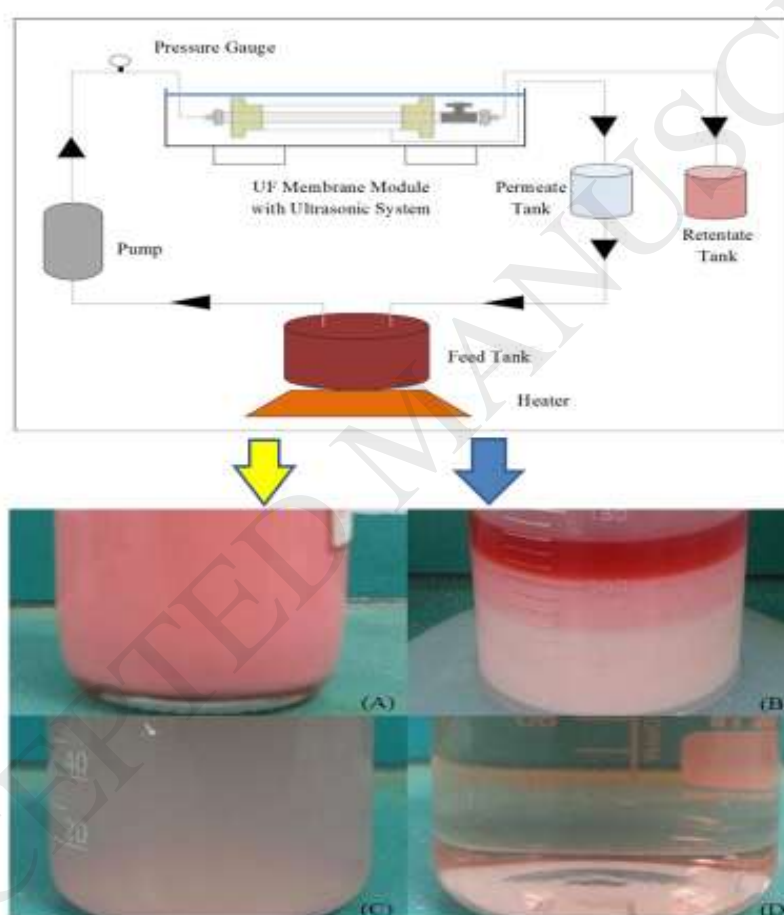
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Graphical Abstract



Highlights

- The performance of hollow and flat-sheet polyurethane (PU) membranes synthesized with different additives and solvent were evaluated with oil-in-water emulsion.
- The steady-state permeate flux and the rejection of oil in percentage (%) at three different modes was determined.
- Change in morphological properties of the membrane are found to have a significant effect on the permeate flow rate and oil removal.

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