

عنوان مقاله:

Effect of acetic acid on morphology and performance of polyethersulfone ultrafiltration membranes for milk concentration

محل انتشار:

نهمین کنگره ملی مهندسی شیمی ایران (سال: 1383)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

In this study, polyethersulfone membranes were prepared via immersion precipitation from quaternary systems containing N, N-dimethylacetamide (DMAc) as solvent, polyvinylpyrrolidone (PVP) and acetic acid as additives. The morphology and performance of the prepared membranes were investigated by Scanning Electron Microscopy (SEM) and separation experiments using milk as the feed. Acetic acid caused an increment in the flux at high polymer concentration (16 wt%) and a decline in the flux at low polymer concentration (10 and 13 wt%).

کلمات کلیدی:

Simulation, Mathematical model, Cation exchange system

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