

عنوان مقاله:

(Pressure Driven Membrane Processes (Downstream Processing

محل انتشار:

چهارمین کنفرانس بین المللی مهندسی و علوم انسانی (سال: 1395)

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خلاصه مقاله:

The world is moving fast. New products are constantly being developed, new technologies and concepts emerge. This calls for constant development of new production processes and education of skilled engineers. This article is written to you who have an interest in natural science and especially in downstream production processes in which a separation between different phases is required. Pressure driven membrane processes are widely used in downstream processing in the chemical, biochemical and food industry, and in this article I will focus on the basic theory behind pressure driven membrane processes. You either i) study to become or ii) work as a chemist or an engineer. You can use this article as a supplement to your chemical engineering courses about downstream processing, membrane processes and/or membrane technology or you can use it if you wish to acquire basic knowledge about pressure driven membrane processes. You are supposed to have basic skills in mathematics and chemistry in general when reading this article. The article will give you an introduction to basic principles behind pressure driven membrane processes. Relevant theory and models will be presented together with key terms widely .within the area of membrane technology

کلمات کلیدی:

Membrane, technologies, supplement

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