

## عنوان مقاله:

Recovery and Enrichment of Alpha Amylase by Batch Foam Fractionation

## محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

تعداد صفحات اصل مقاله: 7

## نویسندگان:

Mehdi Edgipour - *Department of chemical engineering, Isfahan University of Technology, Isfahan ۸۴۱۵۶۸۳۱۱۱, Iran*

Kayghobad shams - *Department of chemical engineering, Isfahan University of Technology, Isfahan ۸۴۱۵۶۸۳۱۱۱, Iran*

Hamid Ramezani Pourpenchah - *Department of chemical engineering, Isfahan University of Technology, Isfahan ۸۴۱۵۶۸۳۱۱۱, Iran*

## خلاصه مقاله:

In this work, the batch foam fractionation of alpha amylase was studied as an alternative to other common applied methods such as chromatography, ultrafiltration, and precipitation techniques and the effects of gas flow rate, surfactant concentration, feed volume and ionic strength on enrichment ratio, recovery and volume ratio were investigated. The parametric studies show that the optimal conditions at steady-state for the system under investigation were as follows: gas flow rate = 0.3L/min, surfactant concentration = 100 mg/L, feed volume = 580 ml, and ionic strength = 0.05mol/L

## کلمات کلیدی:

Foam Fractionation, Alpha Amylase, Gas Flow Rate, Surfactant Concentration, Feed Volume, Ionic Strength

## لینک ثابت مقاله در پایگاه سیویلیکا:

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