

## عنوان مقاله:

Optimization of Vegetable Oil Leaching from Spent Nickel Catalyst and Validation of the Results

## محل انتشار:

فصلنامه شیمی آلی، دوره 2، شماره 1 (سال: 1393)

تعداد صفحات اصل مقاله: 5

## نویسندگان:

Vahid Ashabi - *Department of Chemistry, Saveh Branch, Islamic Azad University, Saveh, Iran*

Bahram Keyvani - *Department of Chemistry, Saveh Branch, Islamic Azad University, Saveh, Iran*

## خلاصه مقاله:

The optimization of vegetable oil leaching from spent nickel catalyst is reported in this work. Different solvents including; methyl ethyl ketone (MEK), acetone, hexane and toluene were employed. The leaching time in the range 1 to 5 h was studied. The leaching optimization shows that the use of MEK for 3 h provides the best results. This was followed by the recovery of nickel from spent catalysts in the form of nickel sulfate. In pursue of finding a robust, inexpensive, simple and fast technique for on-line concentration measurement of nickel solution from leaching, the spectrophotometer technique was evaluated. The findings were then validated against titration method using EDTA

## کلمات کلیدی:

Vegetable oil, Leaching, Spent nickel catalyst, Validation technique

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/646325>

