

## عنوان مقاله:

Immobilization of lipase on modified and unmodified HTlcs by adsorption

## محل انتشار:

اولین همایش منطقه ای گاز، تکنولوژی و توسعه (سال: 1392)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Immobilization of *Candida rugosa* lipase on modified and unmodified Layered double hydroxide (HTlcs) is described. The effect of hydrophilic or hydrophobic nature of the support and kinetic behaviour of immobilized lipase were studied. The modified HTlcs with monolayer surfactant (MHTlcs) was the best support, for immobilization. The activity of the immobilized enzyme was examined under varying experimental conditions. The effect of various factors such as concentration of enzyme solution, pH and stirring were also evaluated. The activity of lipase on HTlcs with monolayer surfactant (MHTs) at the optimum pH was 61.7%. The amount of immobilized lipase on MHTlcs at the highest activity was 78.1%.

## کلمات کلیدی:

*Candida rugosa* lipase, HTlcs, Immobilization, Surfactant

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/244095>

