

## عنوان مقاله:

Removal of acid red 151 dye from aqueous solution using palm shell by adsorption: Isotherm Adsorption studies

## محل انتشار:

سومین کنفرانس بین المللی علوم و مهندسی (سال: 1395)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

The objective of this research is removal of Acid Red 151 (A.R.151) from aqueous solution using palm shell as low-cost adsorbent. The operating parameters such as pH solution, dose of adsorbent, initial dye concentration were investigated. Results showed that pH: 3, dose of adsorbent: 2g/L and initial dye concentration: 20mg/L were the most suitable. In this study, the best fit of the adsorption isotherm data was obtained using the Langmuir model and (show favorable adsorption of A.R.151 dye with separation factor  $0 < RL < 1$ ).

## کلمات کلیدی:

Acid red 151, dye, operating parameters, adsorption isotherm

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/491621>

