

عنوان مقاله:

Investigation of the adsorption of C.I. Basic Violet 2 onto walnut shell from aqueous solutions in presence of oxygen:
Effect of operational parameters

محل انتشار:

همایش ملی نانو فناوری و شیمی سبز (سال: 1391)

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

The aim of this study was to investigate the removal of C.I. Basic Violet 2 from aqueous solutions by adsorption technique using walnut shell as an adsorbent. The effect of operational parameters such as pH, temperature, pressure of oxygen, contact time and initial concentration, adsorbent dose and particle size was studied to obtain desired conditions. The desired operational parameters was obtained in a batch mode reactor as pH(5) , temperature (297K) , pressure of oxygen (3L/min) , contact time (60 min) , initial dye concentration (12 mg/L) , adsorbent dose ((0.05 g) , and particle size (100 mesh

کلمات کلیدی:

Basic Violet 2; Walnut shell; Dye removal; Adsorption

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