

عنوان مقاله:

Adsorption of Reactive Dyes from aqueous solution by Lemna minor and Ulva lactuca and Photomogetom nodosus

محل انتشار:

اولین همایش ملی و نمایشگاه تخصصی محیط زیست، انرژی و صنعت پاک (سال: 1392)

تعداد صفحات اصل مقاله: 10

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خلاصه مقاله:

Removal of textile dyes from wastewater is an important problem. In this study, Adsorption of Reactive dyes from aqueous solution by aquatic macrophytes were evaluated. Effect of pH on dye adsorption was determined and removal of Reactive Red 123 were determined to be 56.1, 71 and 103 mgg⁻¹ for, P. nodosus, L. minor and U. lactuca respectively. The intraparticle diffusion model and pseudo-second order kinetic models suitable to describe adsorption system. This is showed that the sorption process controlled more than one mechanism

کلمات کلیدی:

P. nodosus, L. minor and U. lactuca, Reactive dye, Adsorption, Kinetic modeling
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