

عنوان مقاله:

Removal of Acid Blue 92 (AB-92) dye from simulated textile wastewater by Fenton

محل انتشار:

دومین کنفرانس بین المللی یافته های نوین پژوهشی در شیمی و مهندسی شیمی (سال: 1395)

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خلاصه مقاله:

In this study, the decolorization of Acid Blue 92 (AB-92), a commercially important azo dye, by Fenton's oxidation was investigated. The effect of operating parameters, such as initial pH, dosages of Fe²⁺ and H₂O₂, dye concentration on the color removal was studied. The optimum conditions were determined as pH = 5, [Fe²⁺] = 5 mg/L, [H₂O₂] = 2260 mg/L, [AB-92] = 20 mg/L and for 3 min reaction time. Maximum decolorization (97%) efficiencies were achieved at optimal condition.

کلمات کلیدی:

Decolorization, Acid Blue 92, fenton's oxidation

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