

عنوان مقاله:

Investigation on Sono-assisted Photocatalytic Degradation of Styrene-Acrylic Acid Copolymer in Aqueous Media

محل انتشار:

ششمین کنگره بین المللی مهندسی شیمی (سال: 1388)

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خلاصه مقاله:

In this research the possibility of degradation and mineralization of Styrene-Acrylic Acid Copolymer (SAAC) as a contaminant by a heterogeneous photocatalytic reactor in aqueous media has been investigated. In this regard, photocatalysis and sonophotocatalysis process have been used. The influence of operational parameters has been studied precisely and the role of active species in the degradation process has been separated. Moreover with kinetic investigations, the location of degradation reaction has been indicated.

کلمات کلیدی:

Photocatalytic degradation; Sono-assisted; Kinetics; Styrene-Acrylic Acid Copolymer

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