

عنوان مقاله:

Comparison of Cadmium adsorption by imprinting Chitosan with two methods of Ultrasonic bath heating and stirrer heating

محل انتشار:

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خلاصه مقاله:

One of the heavy metal elimination methods from Waste water is using adsorbents. In this article, cadmium adsorption rate by imprinting method on the Chitosan surface was tested, Also in this research, Synthesis process for imprinting Cadmium on the Chitosan perform with two methods of stirrer heating and Ultrasonic bath heating that in this experimental action, 4 samples with variable factors as following: Chitosan and cross-linker amount for 8 hours were examined. Also the time of cross-linker addition was compared between 3 and 4 hours on this stirrer heating and ultrasonic. Samples be tested on stirrer heating, jelly feature were more than ultrasonic bath heating and their adsorption rates were higher than too.

کلمات کلیدی:

Chitosan, Cadmium, imprinting, ultrasonic

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