

عنوان مقاله:

SYNTHESIS AND CHARACTERIZATION OF MODIFIED CHITOSAN NANOPARTICLES

محل انتشار:

چهارمین همایش ملی شیمی، پتروشیمی و نانو ایران (سال: 1395)

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خلاصه مقاله:

The aim of this work was the preparation and characterization of thiosemicarbazide modified chitosan (TCS). To study the behaviour and properties of products, scanning electron microscopy (SEM) and Fourier transform infrared spectroscopy (FTIR) have been employed. The structures of the product were determined by FTIR spectroscopy. The results showed that TCS nanoparticles were successfully synthesized. The SEM images of TCS nanoparticles showed it can be seen that the CS has a flat phase surface, while the surface of TCS particles becomes coarse and porous.

کلمات کلیدی:

Nanoparticles, Chitosan hydrogel, adsorption

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