

عنوان مقاله:

Synthesis of polyaniline nanocomposite by using hydroxypropyl cellulose and poly (vinylpyrrolidone) as surfactant

محل انتشار:

اولین کنفرانس بین المللی فناوری های نوین در علوم (سال: 1396)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Hossein eisazadeh - *Professor of Ministry of Science Research and Technology University of Shomal, Amol, Iran*

mehdi malekian kalle basti - *M.Sc. Student of Ministry of Science Research and Technology University of Shomal, Amol, Iran*

خلاصه مقاله:

In this study Polyaniline was prepared in aqueous media by using of various surfactants such as hydroxypropyl cellulose and poly (vinyl pyrrolidone) with different concentrations. The polymers were characterized in terms of morphology and chemical structure by using scanning electron microscopy (SEM) and Fourier transform infrared spectroscopy (FTIR), respectively. The results indicated that the morphology and chemical structure of the products were dependent on the type and concentration of surfactants. The results of FTIR indicated that the intensity of peaks is dependent on the type of surfactants.

کلمات کلیدی:

polaniline, surfactant, chemical structure, hydroxypropyl cellulose

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