

TỔNG HỢP VÀ NGHIÊN CỨU KHẢ NĂNG HẤP PHỤ CR(VI) CỦA CỦA COMPOZIT POLYANILIN - VỎ ĐỒ

Bùi Minh Quý, Phan Thị Bình, Vũ Quang Tùng, Nguyễn Thị Liên

TÓM TẮT:

Composites based on polyaniline (PANi) and bean shell were prepared by chemical method from acid medium containing aniline using ammonium persulfate as oxidation agent. It was clearly found by IR-spectroscopy a clearly presence of PANi combined with bean shell to form composite in nano scale (observed by SEM-images. Cr (VI) concentrations in solution before and after adsorption by that composite were analysed by Atomic Absorption Spectroscopy. The maximum adsorption capacity obtained from the Langmuir isotherm model was 57.14 mg/g.