

TỔNG HỢP VÀ NGHIÊN CỨU KHẢ NĂNG HẤP PHỤ CR(VI) CỦA COMPOZIT PANI – VỎ LẠC

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TÓM TẮT:

Composites based on polyaniline (PANi) and peanut shell were prepared by chemical method from acid medium containing aniline using ammonium persulfate as oxidation agent. It was found by IR-spectroscopy a clearly presence of PANi combined with peanut shell formed composite which having morphological structure in nano scale by SEM-images. Cr (VI) concentrations in solution before and after adsorption process on that composite were analysed by Atomic Absorption Spectroscopy. The maximum adsorption capacity obtained from the Langmuir isotherm model was 90,9091 mg/g.