

## عنوان مقاله:

APPLICATION OF LOW COST ADSORBENTS FOR CATIONIC DYE REMOVAL, A REVIEW

## محل انتشار:

اولین همایش ملی فناوری های نوین در شیمی و مهندسی شیمی (سال: 1392)

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## خلاصه مقاله:

Various adsorbents have been used to remove all harmful materials to mankind. Various adsorbent have been modified and discovered. There are good progress in this field. Activated carbons, plant or lignocellulosic wastes, clays and biopolymers are among the common adsorbents used. Chitosan, a type of biopolymer, is a good adsorbent to remove various kinds of anionic and cationic dyes as well as heavy metal ions. Chemical modifications that lead to the formation of Adsorbent derivatives, and adsorbent composites have gained much attention, extensively studied and widely reported in the literatures. In this review we provide relevant literature of the past ten years on the application of Adsorbents for removing Cationic dyes. A list of Adsorbents and their adsorption capacity and the experimental conditions has been compiled. This review also includes the mechanisms that might be involved during adsorption process.

## کلمات کلیدی:

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