

Adsorption of Congo Red Dye from Water Using Carbonaceous Nanoparticles

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ABSTRACT

Adsorption is a promising technology for the adsorption of congo red dye from water of all which have hazardous effects on the aquatic system and also on human beings. The aim of this work is to use potential raw materials like clam shells in the Adsorption of congo red dye. The raw material selected for the experiment has shown has shown good adsorption capacities in the adsorption. The mechanism of interaction of carbonaceous nanoparticles using various analytical techniques such as UV-Visible spectroscopy. This is a clean and green technology where there is an almost insignificant amount of energy consumption at the initial stage for the preparation of adsorbents from raw materials; apart from this the entire process is passive.

Key Words: *Adsorption, Congo red dye*