



Agriculture wastes used as sorbents for dyes removal from aqueous environments

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This paper presents the preliminary experimental results of the use of some agro-industrial wastes (corn cob, sunflower seed shells) as sorbents for Methylene Blue dye removal from aqueous environments. There were studied the main factors with high influence on the dye sorption process: temperature, sorbent amount, solution pH, dye concentration, and contact time. The results indicate that these materials have a good potential to remove the studied dye, and can be used as adsorbents into a treatment of industrial textile effluents before recycling or reuse, or discharging into the sewage system.