## ADSORPTION OF LEAD FROM AQUEOUS SOLUTION USING A LOW COST ADSORBENT

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## Abstract

The present investigation was carried out in order to study the feasibility of using saw dust for the removal of lead from aqueous solution by the adsorption process. Studies were carried out to evaluate the influence of solution pH, flow rate (contact time) and initial concentration (Co) of lead. The up flow column experiment was carried out at room temperature. The maximum lead removal of about 96 % occurred at flow rate of 20 ml/min, initial metal concentration of 4 mg/l and pH – 4.

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**Keywords:** Lead, Saw dust, Column studies, Flow rate.