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ADSORPTION OF LEAD ON RED SOIL OF KUMAUN REGION OF UTTARAKHAND

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ABSTRACT

The Red soil studied for adsorptive removal of lead. The present study has been done to optimize the conditions for the maximum removal of the lead. The variation of removal efficiency with adsorption parameters pH, contact time and adsorbent dose is performed. This is first study of this kind in this field and also be useful for developing the non-conventional utilization of soil as natural adsorbent.

KEYWORDS: Red Soil, Adsorption of Pb, Cation Exchange Capacity, Organic Matter, pH, Contact Time, Adsorbent Dose, Removal Efficiency