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Water Supply and Wastewater Treatment

**STUDY REGARDING THE SORPTION OF ERYTHROSINE FROM
AQUEOUS SOLUTION ONTO SOIL**

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Abstract

In this paper, the capacity of a soil to retain the dye Erythrosine B from aqueous solution by sorption has been studied. Batch adsorption experiments were conducted to investigate the sorption of the dye from aqueous solutions onto soil with particles of different size. Different models were used to describe the kinetic data, to calculate the corresponding rate constants and to predict the theoretical capacities of soil for dye sorption.

Key words: dye, Erythrosine, soil, sorption

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