

THE BAYESIAN MODEL OF THE INTERDEPENDENCIES BETWEEN SOIL SORPTION FEATURES

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Abstract: The paper presents a qualitative, Bayesian model used to determine some interdependencies between sorption features for mineral soils in southern Poland. Sorption properties are very important, crucial for measure of fertility, nutrient retention capacity, and the capacity to protect groundwater from contamination. Cation exchange capacity (CEC) is a commonly applied indicator of the soils conditions or vulnerability. Base saturation (BS) is an important element of hazard degree assessment in soils lying within reach of impact of acidifying agents. The considered soils represented different valuation classes and differed in their typology. The Bayesian model is used for interdependences assessment.