



Distribution and mobility of cadmium and lead in urban soils – case study: IAȘI city – industrial zone

BULGARIU D. - Universitatea "Al. I. Cuza" Iași

BULGARIU Laura - Universitatea Tehnică "Gh. Asachi" Iași

In this study are presented the preliminary results regarding the distribution and migration of Cd and Pb in urban soils from industrial zone of Iași city. The studied soils are strong antropized and present radical modifications of lithology, mineralogy and chemistry. The Cd content varied between 0.09-1.36 $\mu\text{g/g}$, and the lead content between 25.83-186.73 $\mu\text{g/g}$. The experimental results have evidenced the existence of some abnormal distributions of cadmium and lead in studied soils, and association ways with soils components less characteristic for these metals, respectively. The characteristic for studied soils is high accumulation probability of Cd and Pb, as mobile species with high toxic potential.