

## ŠTÚDIUM KINETIKY SORPCIE SR<sup>2+</sup> NA PÔDNYCH MATRICIACH

Lucia ZÁVODSKÁ, Juraj LESNÝ

Katedra biotechnológií, Fakulta prírodných vied, Univerzita sv. Cyrila a Metoda v Trnave,  
Nám. J. Herdu 2, 917 01 Trnava, e-mail: lesnyj@ucm.sk

### ABSTRACT

Závodská L. & Lesný L.: **Kinetic study of Sr<sup>2+</sup> sorption on soil matrices**

By a reasonable choice of reliable remediation method concerning radiostrontium contaminated soils, in general, it is necessary to take into account the complexity of the system, which is dependent on a wide scale of physical-, chemical- and biological factors. The soils in the near vicinity of the NPS Jaslovské Bohunice stay in Slovakia in the middle of researchers attention due to existing possibilities of their contamination. Our paper deals with the sorption kinetics of strontium on these soil matrices including the determination of basic characteristics of the relevant soils: pH, cation exchange capacity, concentration of organic carbon, Tessier-type of sequential extraction using AAS.

**Key words:** sorption kinetics, radiostrontium, pH, CEC, sequential extraction