



## **The impact of soil use in resource catchment areas on water quality and runoff conditions**

T. Pavláček, J. Moravcová, M. Koupilová, P. Ondr, T. Kvítek, and J. Váchal

South Bohemian University, Faculty of Agriculture, Land consolidation, České Budějovice, Czech Republic  
(moravcova.janca@seznam.cz)

The aim of this study was to evaluate the selected water quality indicators according to the prevailing type of land use in resource areas of selected catchments and also in dependence on infiltration ability of soil types in these areas. All the selected catchments are located in sub-mountainous areas and they have been artificially drained since approximately 1980. In present time they are used mainly as pasture areas or they serve as meadows. The second possible type of land use in these areas is the spruce forest. As expected the concentrations of the selected water quality indicators were strongly affected by the type of land use in the different infiltration conditions.