

## **IMPACT OF WATER EROSION ON BOTTOM SEDIMENT QUALITY IN SMALL WATER BASINS**

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### **ABSTRACT**

Erosion processes in watersheds belong to serious ecological and economical problems because of negative consequences in terms of soil and water deterioration as well as on the environment as a whole.

Sediments, originated by water erosion, cause silting of the small water basins, that belongs to the important problems in water management mainly due to the reducing of the basin's accumulation capacity. Besides quantity, quality of sediment affects downstream areas and thus the water quality because they act as a potential sink for many hazardous contaminants.

The aim of this paper is assessment of bottom sediment quality in small water basin Kľušov in the east of Slovakia.

**Key words:** sediment quality, water basin, nutrient