

## NEGATÍVNY DOPAD IMPREGNÁCIE DREVA NA ŽIVOTNÉ PROSTREDIE

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### ABSTRACT

Veľková V., Výbohová E. & Bubeníková T. **Negative Effect of Wood Impregnation on Environment**

In this paper, there are the problems of contamination of environment by polycyclic aromatic hydrocarbons (PAHs) at impregnation of wood discussed. We determined contamination of environment in the Zvolen city region near the woodworking plant. The most important source of PAHs in the surrounding area is the impregnation division with associated impregnated materials store.

We determined PAHs in the samples of water, sediments, soils and plants. The highest amount of polyaromates was determined in the samples behind the woodworking plant in the flow direction of river Zolná

**Key words:** polycyclic aromatic hydrocarbons (PAHs), water, sediments, soil, plant, high performance liquid chromatography (HPLC)