

## **POLYCYCLIC AROMATIC HYDROCARBONS IN THE SAMPLES OF ENVIRONMENT**

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### **ABSTRACT**

Polycyclic aromatic hydrocarbons (PAHs) represent one group of toxic organic substances in the environment. We determined PAHs in the samples of water and river sediments from river Zolna, in the samples of soils and plants from surrounding of Zolna. The river Zolna flows directly through woodprocessing factory area. The impregnation division together with associated impregnated materials store is considered the most important source of PAH contamination in the surrounding area. We analysed the 16 compounds (PAHs) by List of the priority pollutants by EPA by the HPLC method.

**Key words:** Polycyclic Aromatic Hydrocarbons (PAHs), contamination of environment, determination of PAHs