

## **The using of vermiculture in the wastewater sludge purification: the results of cultivation of *Eisenia foetida* in the substrate of wastewater sludge**

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### **Abstract**

The features of the chemical composition of of earthworms *Eisenia foetida*, used in biotechnology of water purification on municipal wastewater treatment plants were studied. Shown the change in concentration of of heavy metals in the substrate, the worms bodies and its coprolites. Earthworms when cultured in substrates with high concentrations of trace elements and dangerous heavy metals is capable of processing sewage sludge. The highest coefficient of biological absorption is observed for the zinc, the smallest in the lead.