

ACTINOBACTERIA *STREPTOMYCES* SPP IN THE HEAVY METAL-CONTAMINATED ENVIRONMENT

Summary

Actinobacteria are very common in the humus layer of soils. This important group of microorganisms takes part in metabolism, produces antibiotics and other substances which are necessary to other soil microbial groups. The heavy metal contamination of soils may limit the biodiversity of the discussed microorganisms. The present study charac-

terizes the most frequently occurring soil actinobacteria – *Streptomyces* spp. and their reactions to the heavy metal contaminated environment. Heavy metal contamination is a very serious environmental problem, which needs to be monitored in order to prevent the irreversible changes in the ecosystem.