

ANTIROPOGENIC IMPACTS ON WATER QUALITY AT IBËR RIVERBED

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ABSTRACT

Pollution of pure natural waters represents any qualitative and quantitative deviation of the chemical, physical and biological composition and natural qualities that have adverse consequences on human health, the economy and the ecosystem in general. Today the rivers have become the collector of all influential urban and industrial waters. Kosovo in certain proportions is affected by all aspects of pollution, so it pushed me to take this paper and study the physical-chemical, microbiological aspects as well as the determination of heavy metals in the Ibar River. Water quality in the Iber River has been and is under the influence of various factors, where the main impact comes from anthropogenic activities, mainly from urban leaks, pollutants from sewage, agriculture and industrial discharges. Evaluation of anthropogenic impact in these rivers was done by performing monitoring, physical-chemical analysis, microbiology, and the determination of metals in trace. The environmental re-assessment is done by comparing the results achieved with international standards. The methodology during laboratory analysis is based on ISO standards. The results of the research showed a pollution in the river iber as a result of anthropogenic influence as some parameters had higher values than standard values. Construction of sewage treatment plants, the control of industrial releases and the awareness of the population on the value of water, which we are obliged to inherit to our descendants in the best possible way.

Keywords: Ibri, heavy metals, physicochemical and microbiological parameters.