



Physical-Chemical and Microbiological Data on Shkodra-Drini-Buna waters (Albania)

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Abstract: Touristic activities are increasing in South-East Europe and in Albania as well. For that reason the hygienic status of bathing waters is very important. Microbiological quality of the lake water is of major concern because the lake is a promising water sports area. Bacterial growth in the lake water mainly depends on inflow of waste water, presence of nutrients and temperature, and therefore may change quickly. This paper aims providing some assessment to water quality in terms of physical-chemical and microbial content in four sampling stations of Lake Shkodra (Shiroka and Sterbeqi), Drini (Bahcalleku) and Buna (Zusi). According to numerous literature data and preliminary investigations Lake Shkodra is exposed to the influence of pollution. European recommendations and WHO (World Health Organization) were considered in standard analyses, carried out in the Centre for Microbiological Diagnostication, University of Shkodra "Luigj Gurakuqi", Albania. Physical-Chemical and Microbiological data for Shkodra Lake are presented in different Workshops and Conferences organised from HRK (High School Conference). Previous studies reported that the presence of *Escherichia coli* and *intestinal enterococci* in aquatic habitats are of a great impact to the quality of water. Untreated sewage effluent and agricultural run-off carrying fertilizers are examples of human-caused eutrophication and pathogenic to humans.

Keywords: *intestinal enterococci, fecal coliforms, Shkodra-Drini-Buna system, Albania.*

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