



## **Response of the Human Impacts to Microbiological Water Quality in the Region of Belshi Lakes (Central Albania)**

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**Abstract:** Belshi lakes are situated at the central part of Albania, about 20 km on the south west side of Elbasan city. The lakes are typically of caustic type and from the hydrological and ecosystem point of view they are important water bodies. The purpose of this paper is to present the data coming out from the measure of seasonal coliform pollution level of the littoral Belshi Lake. This data is presented for the first time of this kind for Belshi Lake. This lake is very important in the economical development of the Belshi town, because of its tourist values and the use of it for fishing. The number of inhabitants in the surrounding lakes zone is increased in the last years, following by increase of the number of buildings, restaurants and coffee-bars. Coliform pollution is the main source to the biological pollution of this lake. Preliminary data of this paper point out the fact that in some stations of the littoral of this lake the coliform pollution level is very high. The lack of the management of the water and wastewater system is the main cause of the coliform pollution to this lake.

**Keywords:** Belshi Lake, bacteria, coliform pollution, heterotrophic bacteria, water quality

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