

STUDY OF POLLUTION LEVEL OF THE SEA WATER CURRILA'S BEACH IN THE CITY OF DURRËS

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Abstract

In the last decade, the increase number of population, the increase number of buildings without urban study, as well as not updating a network of pipes and pouring them into the sea, has caused the level of water cleanliness to be below rates allowed. Durrës, as the first city in Albania with the largest number of tourists, has the higher fecal pollution of the beach area. In this study is evaluated the cleanliness of sea water through microbiological analysis. This analysis determines the total amount of microorganisms and the presence of various bacteria created by fecal pollution of the sea water. The method used in this study is the MPN method. Area taken into consideration includes the Brryli area to the Currila's beach, as an area with high tourist attendance. Samples were taken every month of the year. In the analysis performed at different times of the year, it has been found the presence of E. coli bacteria, as a sure sign of fecal contamination.

Keywords: *water pollution, sea pollution, fecal contamination, microbiological analysis, environmental impact*