



Microbiological Contamination of the Sea Water of Vlora, 2010[#]

Vitori Hasani*, Emirjona Kicaj, Eno Nocka

HSM Department, Public Health Faculty, University of Vlora

Received June 11, 2011; Accepted December 15, 2011

Abstract: In this paper are presented the results of a survey in regards to microbiological contamination of the sea water in Vlora bay area. Currently, several channels of sewage water from surrounding populated areas flow into the beaches of Vlora. This phenomenon has led to a microbiological contamination of sea water, thus increasing the risk of diseases spreading among the population that attends these beaches during summer. The examination of taken samples resulted in a high degree of microbiological contamination of the sea water. Some of these results are: 1) near the Marine School (MPN) in shallow 2560, in depth 90, E.coli 180, and *S.faecalis* 150. 2) "Vefa's beach" in shallow 2100, in depth 1500, E. Coli 30, *S. faecalis* 72. 3) "Old beach" in shallow 2400, in depth 70, E. Coli 150, *S. faecal* is 82. The level of contamination is lower at "Uji i Ftohte" and "Radhima" beach. The bacteriological contamination of these areas constitutes a risk factor for morbidity. The spilling in the sea of the sewage sewers of habitations nearby these areas results in contamination of the sea water. The contamination in these zones raises the risk of morbidity among the people that frequent these areas.

Key words: *Microbiological contamination, Vlora, E. coli, S. Faecal, sea water*

*Corresponding: E-Mail: vhasani53@yahoo.it ; Tel:+ 355 (0) 695293778;

[#]This paper has been presented at Abalakes-2011 Elbasan, Albania