



Microbiological Characteristics of Shkumbin River Waters, Albania[#]

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Abstract: Environmental problems in lakes, rivers and coastal waters are often a result of human pollution of nutrients or toxic substances. Since the nature is very complex it is hard to understand and calculate how these substances will spread in the ecosystem and which effect they will have. This work determined the microbiological characteristics of the waters of river Shkumbin. Samples were taken twice a year, that is, dry and wet seasons of each year. Standard methods were used for bacteriological examinations. The results revealed high faecal pollution, especially during the wet season. This is confirmed by the presence of the coliforms. Isolates include *Pseudomonas spp.*, *Escherichia coli*, *Kleibsiella spp.* etc. Some significant contaminating indicators, namely, total coli form, Fecal coliform, pathogenic parasites have been identified and measured along with the related usual parameters, namely, dissolved oxygen (ppm), pH, temperature (°C), total dissolved solids (ppm), etc.

Key words: *bacteriological examination, water quality indicators, pathogens.*

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