
Cadmium determination in water, fish and sediment of “Tăbăcărie” lake

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Abstract This paper presents the determination of the total concentration of cadmium (Cd) in the biotop (sediment and water) and biocenose (different species of fish) from “Tăbăcărie” Lake, on the Black Sea coast in Romania. Analyses were realized using the molecular absorption spectrometry in visible after the chemical mineralization of the samples with a Digesdahl device. We found the cadmium concentrations in water between 1-3 µg/L, in sediments between 0.3-1.3 mg/g dry sample and between 3.31-10.31 µg/g dry sample in fish.

Keywords: Heavy metal, Cadmium, molecular spectrometry, fish, sediments, lake water.
