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ANALYSIS OF SOME METAL LEVELS IN DANUBE RIVER WATER

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Abstract

The concentrations of some metallic ions (chromium, iron and copper) in Danube River water were determined by molecular absorption spectroscopy. There were studied five sites from Constanta County, in winter, spring and summer of 2008 year. The results can be interpreted having in view the natural and anthropical factors. The highest concentrations of metallic ions, which proved that some of water samples are of 5th quality class, were determined in winter. The quality of Danube River water in studied area was assigned on the basis of Romanian legislation.

Key words: copper, chromium, Danube River water, iron

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