

Water quality characteristics along the course of the Danube River. III. The Cernavoda area.

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Abstract. In order to analyze the water quality for Danube River, there have been determined the quality parameters like pH, hardness, chloride, fluoride, ammonium, phosphate and metallic ions (calcium, magnesium, total chromium, total iron, copper). The analyzed samples of surface water were collected from the right side of Danube River at three locations in Cernavoda area, along 2008 year. The major problems for Danube River water quality were identified to be the presence of some metallic ions (iron and copper) in concentrations which place the water in 5th class of quality, especially in winter, and the high concentrations of nutrients (ammonium and phosphate).

Keywords: Danube River, Cernavoda, water quality, pH, hardness, chloride, fluoride, metallic ions.
