

ПОТУРАЙ

**ORGANIC SUBSTANCE IN SURFACE WATERS AND GROUNDWATERS IN  
KULDUR DEPOSIT OF THERMAL WATERS, THE FAR EAST OF RUSSIA**

**V.A. Poturay**

*Institute for Complex Analysis of Regional Problems, 679000*

The article presents results from investigation of organics in thermal and open waters, and cool groundwater of Kaldursky region carried out over the period 2010-2012. The paper provides data on content of common, dissolved and suspended organic carbon. The investigation revealed maximum concentration of carbon in water from boreholes 3-87 and 3-51, and the Kuldur River. The author analyzed soluble moderately volatile organic compounds in the studied water and revealed 14 homological series. Normal alkanes, carbon acids, and aromatic hydrocarbons are the typical homologues.

*Keywords: thermal water, organic matter, alkanes.*