

Analysis of the effects of climate-dependent factors on the formation of zooplankton communities that inhabit arctic lakes in the Anabar River Basin

Frolova L., Nazarova L., Pestryakova L., Herzs Schuh U.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The major structural characteristics of zooplankton communities that inhabit 35 Arctic lakes in the catchment basin of the Anabar River (Yakutia) have been analyzed. The ecological state of the lakes has been evaluated. The structure-forming abiotic factors that have the greatest influence on the formation of zooplankton communities have been revealed using the indirect ordination method. © 2013 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S199542551301006X>

Keywords

Arctic lakes, canonical concordance analysis, indirect ordination method, zooplankton