

The role of macrophytes in phytoremediation of shoaling waters

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Abstract

It is now well accepted that aquatic plants may play a significant role in detoxication and purification of waters. The aim of the present study was to determine phytoremediation possibilities of macrophytes in shoaling waters of Sviyazhsk bay, Kuibyshev reservoir. Abilities to restore the plankton biological balance were also investigated. We found an active zone of water autopurification between hamlets Britvino and Isakovo. We concluded that aquatic macrophytes might act as active phytoremediators influencing hydrochemical and hydrobiological content. The ability to decontaminate shoaling waters depends on a season when aquatic plants are active or not. © by PSP.

Keywords

Hydrochemical analysis, Phytoremediation, Water autopurification, Zooplankton