

## **Availability of liner high-molecular weight compound with organic polyphosphate nature for control *Dreissena polymorpha* (Pall.) (*Mollusca, Bivalvia*) as a part of biofouling**

© Marina L. Kalaida, and Tatiana P. Siniutina

Department of water bioresources and aquaculture. Kazan state power engineering university.  
Krasnoselskaya St., 51. Kazan, 420066. Russia. Phone: +7 (843) 519-43-53. E-mail: kalayda@mi.ru

\*Supervising author; +Corresponding author

**Keywords:** cooling installation, thermal power station, biofouling, biologic, *Dreissena*, nanobiocide, concentration, test-object, toxicity, mortality, biomass, water plants, survival.

### **Abstract**

The experiments on the toxicity estimation for *Dreissena* of biocide composition including peroxide of hydrogen, complexing compound (hexametaphosphate of sodium) and solvent were made. The 100% death rate from *Dreissena* was observed at the concentration of preparation more than 40 ml/l. The high concentration of preparation for controlling *Dreissena* as a part of biofouling on energetic objects is shown.