

## Water cleaning from pollution by aquatic plants

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### Abstract

Different sorptive capacity of heavy metals absorption by macrophyte algae in the conditions of experimental system of biological treatment of water of the Avachinskaya Bay was revealed that indicates selectivity of metals binding processes by polysaccharides of algae cellular walls. The effect of water pollution on the antioxidant properties of seaweed – macrophytes and growth-promoting effect of aqueous extracts of the action on *Chlorella* has been studied. Increase of water pollution and control treatment of aqueous plant *Elodea canadensis* L. by water solution of toxic substance, namely cadmium sulphate, resulted in augmentation of their antioxidant activity in comparison with the control samples.