

ROLE OF SLOW CALCIUM CHANNELS IN THE ACCUMULATION OF ^{90}Sr BY FRESHWATER MUSSELS

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Accumulation process of ^{90}Sr and ^{137}Cs by freshwater mussels *Unio conus* (Bivalvia, Unionidae) in natural conditions was investigated. The mussels that treated by verapamil accumulated of ^{90}Sr in 2.8 times slowly. It is evidence that slowly calcium channels have great importance in process of radiostrontium accumulation. The process of ^{137}Cs accumulation by this verapamil treating individuals is in 1,3 times quickly than clear mussels at the same time.