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**INFLUENCE OF THE RADIATION ON CYTOGENETIC PARAMETERS MOUSELIKE RODENTS  
FROM THE CHORNOBYL NUCLEAR POWER PLANT EXCLUSION ZONE**

Results of radioecological and cytogenetic studies are presented. The soil contamination on the testing experimental sites of Chernobyl exclusion zone was studied. The correlation between the concentrations of  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  in the carcasses of animals and the level of soil contamination was revealed. The chronic exposure to radioecological conditions of the exclusion zone is shown to increase the pathological changes in bone marrow cells, which is determinates micronucleus test using.

*Keywords:* radiocontamination, mouselike rodents, specific activity, radionuclides, micronuclei.