

PROBLEMS OF SMALL RODENT USE FOR RADIOACTIVE POLLUTION BIOINDICATION

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Comparative analysis of cytogenetic anomaly frequencies in bone marrow cells of *Clethrionomys glareolus* and *Microtus arvalis* on the background of high level of radio nuclide pollution was carried out. It was revealed that the involvement of different cytogenetic characteristics in variability is species-specific: an increase in leukocytes with micronuclei was typical for *M. arvalis*, but the increase in chromosome aberration was typical for *C. glareolus*. Increase of the number of radiation resistant animals in places with high level of radioactive pollution was observed.