

**MAIN PECULIARITIES OF ^{90}Sr AND ^{137}Cs REDISTRIBUTION IN
“SOIL - PINES” SYSTEM OF THE FOREST BIOGEOCENOSE IN THE
CHERNOBYL EXCLUSION ZONE**

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The scientific researches were carried out at nine experimental plots represented by the pine forests. The redistribution of radioactive nuclides of ^{90}Sr and ^{137}Cs in main components of biogeocenose was analyzed and vertical migration intensity of ^{90}Sr and ^{137}Cs was determined. Also, intensity of the radionuclides accumulation in the main forest species - pine tree in the Exclusion zone was investigated. It is identified that cumulative inventory of ^{90}Sr is significant for the perennial parts of wood species (first of all for - timber). The highest concentration of ^{90}Sr is found in the photosynthetic parts of the pine tree – needles, and the lowest concentration is found in wood. In this concern, according to the obtained results bark has an intermediate position. The same characteristics refer to ^{137}Cs .