

PECULIARITIES OF ^{137}Cs BIOGEOCHEMISTRY IN ECOSYSTEMS OF FOREST SPHAGNOUS BOGS: APPROACH TO CREATION OF CONCEPTUAL SCHEME OF THE MODEL

A.A.Orlov, A.B.Kalish

The conceptual scheme of the model describing the ^{137}Cs cycling in ecosystems of sphagnum bogs was adduced. Compartments of forest-bog ecosystem were united into five main blocks: peat, tree canopy, moss (sphagnum) layer, understorey vegetation, bog water. Radioecological peculiarities of elements of this ecosystem were shown as well as the vertical profile of sphagnum-peat cover. The functional connection among vegetation macroblocks, peat and bog water realises due to special block of mycorrhiza.