

RESPONSE REACTIONS OF THE FUNGI, ISOLATED FROM INNER LOCATIONS OF “UKRYTTYA”, WHICH HAVE DIFFERENT LEVELS OF RADIOACTIVITY

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Adaptive reactions of some fungi strains of species *Cladosporium chlorocephalum* and *Aspergillus versicolor*, which was isolated from inner location of Shelter with different level of radioactive pollution, in relation to the action of two sources of ionizing irradiation ^{121}Sn and ^{137}Cs have been studied. Correlation between radiotropic reaction and radioactive pollution level inner locations was shown. It is established that under exposure of radiation enhanced of conidia germination only at strains is observed, isolated from inner locations with a rather low level radioactivity. Under action ^{137}Cs was observed inhibition of process of conidia germination and emergent hyphae length at dark pigmented strains and activation of these processes at light pigmented strains. The degree of these effects did not depend on the level of radioactivity of places, where the strains were isolated.