

OBTAINING AND TESTING OF THE ARBUSCULAR MYCORRHIZAL FUNGIES INOCULA FOR THE MODIFICATION OF RADIONUCLIDES TRANSPORT INTO THE PLANTS

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Spores of the arbuscular mycorrhizal (AM) fungies have been isolated from the plants collected at the Chernobyl zone. Selection of the plants were done due to their high radionuclides' accumulation ability and AM colonization level as well. These spores were used to start the inocula production for the plant treatment aimed to affect radionuclides transport. Spores identification was done based on their morphological and molecular features. Three different AM inocula with high potential to modify ^{90}Sr and ^{137}Cs transport at the phytoremediation experiments were obtained.