

STUDYING OF SOME GROWTH AND TROPHIC FEATURES OF FUNGI THAT ARE ABLE TO GROW ACTIVELY IN THE CHNPP 4-TH BLOCK CONDITIONS

N. N. Zhdanova, Yu. V. Blazheevskaya, V. V. Vember

Growth parameters of fungi that previously considered as active growing in conditions of ChNPP 4-th block ChNPP were studied. Such growth parameters were radial growth velocity, hyphal growth unit (HGU) and also intensity of colonization of substratum. All experiments were made on 2 types of nutrient medium: optimal medium malt agar and starving agar. Two types of radioactive substrates colonization by fungi were identified. The growth of main species-biodestructor *Cladosporium sphaerospermum* on other concentrations of glucose was investigated and its ability to fixation of carbonic acid form air and oligotrophia were shown. The trophic relations of main species-biodestructor *Cladosporium sphaerospermum* and two species that constantly were isolated with it were also studied. It was shown that fungi that previously considered as active growing in conditions of ChNPP 4-th block are really those.