Abstract

The concentration of radionuclides in mushrooms and their possible transfer to rodents were studied because fungi are considered as bioindicators of radioactivity. The transfer coefficients indicate radionuclides transference from one medium or compartment to another. The aggregate factors describe the transference through a complete chain of parameters such as the factor relating the concentration of radionuclides in the soil and the food. An evaluation of the phenomenon of mycophagy was made. The presence of mushroom spores and tissue in the digestive tract of the rodents was observed. Also, the concentration of radiocesium and radiopotassium in the rodents was determined and the transfer coefficient was calculated.

Keywords

macromycetes, rodents, mycophagy, bioindicators, radionuclides