

О. С. Каглян^{1*}, Д. І. Гудков¹, С. І. Кіреєв², **В. Г. Кленус¹**,
В. В. Бєляєв¹, Л. П. Юрчук¹, В. В. Дроздов², О. О. Гупало¹

¹ Інститут гідробіології НАН України, Київ, Україна

² Державне спеціалізоване підприємство «Екоцентр» ДАЗВ України, Чорнобиль, Україна

*Відповідальний автор: alex_kt983@ukr.net

ДИНАМІКА ПИТОМОЇ АКТИВНОСТІ ⁹⁰Sr І ¹³⁷Cs У ПРЕДСТАВНИКІВ ІХТІОФАУНИ ВОДОЙМ ЧОРНОБИЛЬСЬКОЇ ЗОНИ ВІДЧУЖЕННЯ

Наведено результати оцінки рівнів радіонуклідного забруднення риб упродовж 2013 - 2019 рр. у водних об'єктах Чорнобильської зони відчуження: озерах Азбучин, Вершина, Глибоке, Далеке, Янівському затоні, водоймі-охолоджувачі ЧАЕС та р. Прип'ять. Установлено, що питома активність ¹³⁷Cs у представників іхтіофауни безстічних водойм у період досліджень продовжувала знижуватись, у той час як активність ⁹⁰Sr, за певними винятками, залишалась без змін або зростала. Вміст радіонуклідів у рибі досліджених водойм близько в 60 - 5000 разів за ⁹⁰Sr та в 3 - 200 разів за ¹³⁷Cs перевищував прийняті в Україні допустимі рівні для рибної продукції.

Ключові слова: Чорнобильська зона відчуження, водойми, риби, радіонуклідне забруднення, ¹³⁷Cs, ⁹⁰Sr.

А. Ye. Kaglyan^{1*}, D. I. Gudkov¹, S. I. Kireev², **V. G. Klenus¹**,
V. V. Belyaev¹, L. P. Yurchuk¹, V. V. Drozdov², O. O. Hupalo¹

¹ Institute of Hydrobiology, National Academy of Sciences of Ukraine, Kyiv, Ukraine

² State Specialized Enterprise "Ecocenter" of the SAEZ of Ukraine, Chornobyl, Ukraine

*Corresponding author: alex_kt983@ukr.net

DYNAMICS OF SPECIFIC ACTIVITY OF ⁹⁰Sr AND ¹³⁷Cs IN REPRESENTATIVES OF ICHTHYOFAUNA OF CHORNOBYL EXCLUSION ZONE

The results of the assessment of levels of radionuclide contamination of fish during 2013 - 2019 in the reservoirs of the Chornobyl Exclusion Zone (lakes Azbuchyn, Vershyna, Hlyboke, Daleke, Yanivsky Backwater, Chornobyl NPP cooling pond) are presented. It was found that the concentration of ¹³⁷Cs in representatives of ichthyofauna of water bodies during the study period continued to decrease, while the concentration of ⁹⁰Sr, with some exceptions, remained unchanged or increased. The concentration of radionuclides in fish of the studied reservoirs was about 60 - 5000 times for ⁹⁰Sr and in 3 - 200 times for ¹³⁷Cs higher than the permissible levels for fish products accepted in Ukraine.

Keywords: Chornobyl Exclusion Zone, reservoirs, fish, radioactive contamination, ¹³⁷Cs, ⁹⁰Sr.

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