

# **LASER-INDUCED FLUORESCENCE OF PINE (NEEDLES) GROWING IN THE CONDITIONS OF POLLUTION WITH RADIONUCLIDES OF CHERNOBYL ORIGIN**

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The results of a long-term research of the spectra of laser-induced fluorescence (hereafter-SF) of pine (needles) growing in the conditions of Chernobyl origin radionuclides pollution are presented. A complex analysis of fluorescent, biometric and radiological biochemical parameters of pine needles has been performed. Changes in the impact of incorporated radionuclides  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  on certain zones of pine SF needles have been detected. It has been shown that the analysis of different-age pine SF needles can be used as a test-method for detection of pollution with  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  radionuclides.