

S. O. Evdokimova, O. M. Mikhyeyev, L. G. Ovsianikova

**ADAPTATION OF LONG-STALK FLAX SEDLINGS
TO ACUTE ACTION OF GAMMA- AND UV-RADIATION**

Complete algorithm of research of radioadaptive answer is in-process carried out, starting from the receipt of dose dependences of action of acute gamma-irradiation and UV-C-irradiation on acrospires of long-stalk flax with the purpose of determination of adapting and testing doses, and completing the study actually of radioadaptive answer. On the example of specific and heterospecific radioadaptive response the connection with the hormetic action of adapting factors and the histological aspects of mechanism of radioadaptation were studied. On the basis of the received results a hypothesis is grounded about the possible role of supracellular (in particular, proliferative) processes in providing the radioadaptation.

Keywords: long-stalk flax, UV-C-irradiation, gamma-irradiation, radiohormesis, radioadaptation.