

NATIONAL UNIVERSITY OF LIFE
AND ENVIRONMENTAL SCIENCES OF UKRAINE
ZHYTOMYR POLYTECHNIC STATE UNIVERSITY

I.M. Gudkov, M.M. Vinichuk

RADIOBIOLOGY
&
RADIOECOLOGY

Textbook for students
of higher educational institutions

*Recommend by Academic Council of National University of Life
and Environment Sciences of Ukraine*

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Reviewers:

D.V. Lukashov, Doctor of Biology, Prof. (Taras Shevchenko National University of Kyiv)

L.D. Romanchuk, Doctor of Agriculture, Prof. (Zhytomyr National Agroecological University)

V.A. Gaichenko, Doctor of Biology, Prof. (National University of Life and Environmental Sciences of Ukraine, Kyiv)

S.M. Amelina, Doctor of Pedagogical Sciences, Prof., Head of Department of Foreign Philology and Translation (National University of Life and Environmental Sciences of Ukraine, Kyiv)

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Gudkov I.M.

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This book presents principal propositions of modern radiobiology and radioecology. An overview of the field of science about the nature and sources of ionizing radiation, radiosensitivity of organisms of various taxonomic groups, reactions of organisms on the ionizing radiation, the ways of radiation protection and postradiation repair is provided. The migration of radioactive substances in the objects of an environment and their protection against radiation as well as management on radio-contaminated territories and the use of ionizing radiation in agriculture, medicine, and food-processing industry is discussed. The main principles of radiation safety and hygiene are provided.

The present book is designed to help in the education of groups of students with English training of special courses as well as for masters, post-graduate students, and teachers.

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