

Natural radioactivity, artificial radioactivity and technologically enhanced natural radioactivity. Nuclear and radiological accidents. Radioactive contamination from the operation of Nuclear Power Plants and of non-nuclear installations. Enhancement of natural radioactivity due to industrial processes (NORM). Radioactive contamination from the use of radioactive materials. Radioactive effluents. Dispersion and kinetics of natural and artificial radionuclides in the environment. Radionuclides as tracers of atmospheric and other processes. Radioenvironmental surveys. High background areas. Statistical analysis and mapping of radioenvironmental measurements. Radioactivity of building materials. Radon in the living environment, radon indoors and remediation techniques. Radioactive aerosols. Nuclear analytical techniques for the determination of trace elements in the environment. Laboratory training.