

Radiobiology and environmental security

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Abstrak

This volume addresses the fundamental science that contributes to our understanding of the potential risks from ecological terrorism, i.e. dirty bombs, atomic explosions, intentional release of radionuclides into water or air. Both effects on human health (DNA and systemic effects) and on ecosystems are detailed, with particular focus on environmentally relevant low-dose ranges. The book are authored by leading experts, tackle the relevant questions from the perspectives of radiation genetics, radiobiology, radioecology, radiation epidemiology and risk assessment.