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Edizione	[1st ed.]
Descrizione fisica	1 online resource (807 pages) : illustrations
Collana	Series in Medical Physics and Biomedical Engineering
Disciplina	363.738
Soggetti	environmental impact radioactivity disaster resilience Radioactive pollution Radiation, Background Radiation - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	chapter 1. Sources of radiation -- chapter 2. Radiation biology and radiation dosimetry -- chapter 3. Environmental exposure pathways and models -- chapter 4. Radiometry -- chapter 5. Sampling and sample preparation for radiometry -- chapter 6. Nuclear and radiological safety -- chapter 7. Emergency preparedness.
Sommario/riassunto	This book presents the radiological sources that could be a threat to humans and the environment. It discusses how to deal with this threat in terms of measurements, prospective models, and regulations. The transport of radioactive substances in ecosystems is discussed, together with remedial actions in case an accident should happen. The book covers radiation sources, measurement methods, modeling, and calculations, as well as strategies in emergency preparedness (including

