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Contamination around urban incinerators; 6.3 - The case of the incinerator of Terni; 6.4 - Contamination by engineered nanoparticles; References; Chapter 7 - War Cases and Terrorist Attacks; 7.1 - Introduction; 7.2 - The war environmental dust; 7.3 - The Italian case: diseases among soldiers after the Balkan war; 7.4 - The case of Soldier 1; 7.5 - The case of Soldier 2
8.2 - Intentional and accidental contamination of food8.3 - Bovine Spongiform Encephalopathy and food; 8.4 - Vaccine contamination; References; Chapter 9 - Occupational Cases; 9.1 - Introduction; 9.2 - Printers and nanoink; 9.3 - Cases of spontaneous pneumothorax; 9.4 - Working pollution in nanotechnology laboratories; References; Chapter 10 - Miscellaneous Cases; 10.1 - Impact of smoking; 10.2 - Diabetes, chronic-fatigue syndrome and other pathologies that could be explained from a different point of view; 10.3 - Other possible effects of nanoparticle exposure; References
Chapter 11 - The Future of Nanotechnologies

Sommario/riassunto

Case Studies in Nanotoxicology and Particle Toxicology presents a highly-illustrated analysis of the most prominent cases on the adverse effects of nanoparticles and their impact on humans and the environment. This comprehensive reference demonstrates the possible risks imposed by managing and handling nanoparticles, showing the effects of involuntary inhalation or ingestion during their use and after their incineration. Through the use of numerous examples, readers will discover the possible risks and effects of working with nanoparticles, along with best practices to prevent these eff