CBRN Protection. Managing the Threat of Chemical, Biological, Radioactive and Nuclear Weapons

Description: Originating in the armed forces of the early 20th century, weapons based on chemical, biological or nuclear agents have become an ever-present threat that has not vanished after the end of the cold war. Since the technology to produce these agents is nowadays available to many countries and organizations, including those with terrorist aims, civil authorities across the world need to prepare against incidents involving these agents and train their personnel accordingly.

As an introductory text on NBC CBRN weapons and agents, this book leads the reader from the scientific basics to the current threats and strategies to prepare against them. After an introductory part on the history of NBC CBRN weapons and their international control, the three classes of nuclear/radiological, biological, and chemical weapons are introduced, focusing on agents and delivery vehicles. Current methods for the rapid detection of NBC CBRN agents are introduced, and the principles of physical protection of humans and structures are explained.

The final parts addresses more general issues of risk management, preparedness and response management, as the set of tools that authorities and civil services will be needed in a future CBRN scenario as well as the likely future scenarios that authorities and civil services will be faced with in the coming years.

This book is a must-have for Health Officers, Public Health Agencies, and Military Authorities.

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