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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Table of contents; Preface; List of abbreviations; About the editors; 1. Environmental problems - An overview; 2. Threat by chemical substances: Legislation, production, use and waste; 3. Abandoned and contaminated land; 4. Environmental risk of chemical agriculture; 5. Environmental risk of mining; 6. Environmental risk of waste and its management; 7. Management of abandoned and contaminated land; 8. Environmental risks and impacts; 9. Risk management of chemicals and contaminated land - from planning to verification 10. Site-specific risk assessment and management of point and diffuse sources 11. Scientific and engineering improvement of environmental risk management; 12. Managing environmental knowledge and the necessary IT tools; Engineering Tools for Environmental Risk

Management

Sommario/riassunto

Industrial, agricultural, residential land uses and the connected discharge of chemical substances cause environmental problems world-wide. This volume provides an overview on the behavior and function of the healthy environment, the capacity of the ecosystem to serve humanity and compensate for adverse changes. The prime contributors to these changes such as production and use of chemical substances, abandoned and contaminated land, chemical agriculture, mining and the complex waste problem are introduced. The focus of this book is environmental knowledge and its conscious and structured application in environmental management and decision making--