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Altri autori (Persone)	AllowayB. J
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Note generali	Description based upon print version of record.
Nota di contenuto	Preface -- Contributors -- List of Abbreviations -- Section 1: Basic Principles: Introduction.-Sources of Heavy Metals and Metalloids in Soils -- Chemistry of Heavy Metals and Metalloids in Soils -- Methods for the Determination of Heavy Metals and Metalloids in Soils -- Effects of Heavy Metals and Metalloids on Soil Organisms -- Soil-Plant Relationships of Heavy Metals and Metalloids -- Heavy Metals and Metalloids as Micronutrients for Plants and Animals.-Critical Loads of Heavy Metals for Soils -- Section 2: Key Heavy Metals And Metalloids: Arsenic -- Cadmium -- Chromium and Nickel -- Cobalt and Manganese -- Copper.-Lead -- Mercury -- Selenium -- Zinc -- Section 3: Other Heavy Metals And Metalloids Of Potential Environmental Significance: Antimony -- Barium -- Gold -- Molybdenum -- Silver -- Thallium -- Tin -- Tungsten -- Uranium -- Vanadium -- Glossary of Specialized Terms -- Index.
Sommario/riassunto	This book covers the general principles of the occurrence, analysis, soil chemical behaviour and soil-plant-animal aspects of heavy metals and metalloids, followed by more detailed coverage of 21 elements: antimony, arsenic, barium, cadmium, chromium, cobalt, copper, gold, lead, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, tin, tungsten, uranium, vanadium and zinc. This third edition

of the book has been completely rewritten by mainly new authors and is now divided into three sections: 1: Basic Principles 2: Key Heavy Metals and Metalloids 3: Other Heavy Metals and Metalloids of Potential Environmental Significance The scope has been widened with four new chapters in Section 1 dealing with toxicity in soil organisms, soil-plant relationships, heavy metals and metalloids as micronutrients for plants and/or animals, and the modelling of critical loads of heavy metals for use in risk assessment and environmental legislation. This book will be of great value to advanced undergraduate and postgraduate students, research scientists and professionals in environmental science, soil science, geochemistry, agronomy, environmental health and environmental engineering, including specialists responsible for the management and clean-up of contaminated land.

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