Record Nr. UNINA9910877084503321 **Titolo** Plants and the chemical elements: biochemistry, uptake, tolerance and toxicity / / edited by Margaret E. Farago Pubbl/distr/stampa Weinheim;; New York,: VCH, c1994 **ISBN** 1-281-75880-9 9786611758806 3-527-61591-1 3-527-61590-3 Descrizione fisica 1 online resource (305 p.) Collana Don Merson ; ; v.1 Altri autori (Persone) FaragoMargaret E Disciplina 581.192 581.2192 Soggetti Botanical chemistry Plant physiology Plants - Effect of pollution on Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 281-283) and index. Plants and the Chemical Elements; Contents; 1 Soil Chemistry and Nota di contenuto Bioavailability with Special Reference to Trace Elements; 2 Metal Ions and Plant Nutrition; 3 Metal-Tolerant Plants: An Evolutionary Perspective; 4 Plants that Hyperaccumulate Heavy Metals; 5 Plant Metalloenzymes; 6 Toxic Effects of Metals; 7 Plants and Radionuclides; 8 Plants as Indicators of Mineralisation and Pollution; 9 Analytical Techniques for Plant Analysis; 10 Phytochemistry: Methods for the Study of Inorganic Species in Plant Tissues; Index How do plants react to elements in the soil? A vital question, particulary Sommario/riassunto in today's world of increasing environmental contamination...The answer can be found in this book. It has an extraordinarily broad basis, compiling up-to-date information from numerous specialist disciplines. Key articles are devoted to- Soil Chemistry and Bioavailability- Metal-tolerant Plants- Metalloenzymes- Toxic Effects of Metals- Radionuclides Moreover emphasis is placed on environmental aspects, with detailed considerations of plants that hyperaccumulate

heavy metals and