1. Record Nr. UNISA996214581103316 Autore Reilly Conor Titolo The nutritional trace metals [[electronic resource] /] / Conor Reilly Oxford, OX, UK;; Ames, IA, USA,: Blackwell Pub., 2004 Pubbl/distr/stampa **ISBN** 1-280-21319-1 9786610213191 0-470-79631-6 0-470-77478-9 1-4051-4811-X Descrizione fisica 1 online resource (258 p.) 613.2 Disciplina 613.28 613.285 Trace elements in nutrition Soggetti Trace elements in the body Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Contents; 3.6 Zinc homeostasis; Preface; 1 Introduction; 1.1 The role of Nota di contenuto metals in life processes -a belated recognition; 1.1.1 Bioinorganic chemistry; 1.1.2 A brief review of the metals; 1.1.2.1 What are the metals?; 1.1.2.2 Chemical properties of the metals; 1.1.2.3 Representative and transition metals; 1.1.2.4 The biological functions of trace metals; 1.2 The metal content of living systems; 1.2.1 Metals in human tissue; 1.2.2 Essential and non-essential elements; 1.2.3 The essentiality of trace metals; 1.3 Metals in food and diets; 1.3.1 Variations in metal concentrations in foods 1.3.1.1 Chemical forms of metals in food1.3.2 Determination of levels of trace metals in foods; 1.3.3 How do metals get into foods?; 1.3.3.1 Metals in soils: 1.3.3.2 Soil as a source of trace metals in plants and in human diets; 1.3.3.3 Effects of agricultural practices on soil metal

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Sommario/riassunto

The Nutritional Trace Metals covers the roles played by trace metals in human metabolism, a relatively neglected area of human metabolism and nutrition. The book focuses its attention on the vital roles played by the relatively small number of trace metal nutrients as components of a wide range of functional proteins. Its structure and content are largely based on the approach adopted by the author, Professor Conor Reilly, during more than 30 years of teaching nutrition to a wide range of undergraduate and postgraduate students. The introductory chapter covers the roles of metals in lif