

1. Record Nr.	UNINA9911019706703321
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Titolo	The nutritional trace metals // Conor Reilly
Pubbl/distr/stampa	Oxford, OX, UK ; ; Ames, IA, USA, : Blackwell Pub., 2004
ISBN	9786610213191 9781280213199 1280213191 9780470796313 0470796316 9780470774786 0470774789 9781405148115 140514811X
Descrizione fisica	1 online resource (258 p.)
Disciplina	613.2/8
Soggetti	Trace elements in nutrition 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.
Nota di contenuto	Contents; 3.6 Zinc homeostasis; Preface; 1 Introduction; 1.1 The role of 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 food 1.3.2 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 content; 1.3.3.4 Uptake of trace metals by plants from soil; 1.3.3.5

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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 life

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