

|                         |  |
|-------------------------|--|
| 1. Record Nr.           | UNISA996217056803316   |
| Autore                  | McDowell L. R. <1941->   |
| Titolo                  | Vitamins in animal and human nutrition // Lee Russell McDowell   |
| Pubbl/distr/stampa      | Ames, : Iowa State University Press, 2000  |
| ISBN                    | 1-281-81454-7<br>9786611814540<br>0-470-37691-0<br>0-470-37668-6   |
| Edizione                | [2nd ed.]  |
| Descrizione fisica      | 1 online resource (812 pages)  |
| Disciplina              | 613.2<br>613.2/86<br>613.286   |
| Soggetti                | Vitamins in human nutrition<br>Vitamins in animal nutrition<br>Avitaminosis  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Vitamins in Animal and Human Nutrition; CONTENTS; Preface; 1. Introduction and Historical Considerations; Definition of Vitamins; Classification of Vitamins; Vitamin Nomenclature; Vitamin Requirements; Vitamin Occurrence; History of the Vitamins; References; 2. Vitamin A; Introduction; History; Chemical Structure and Properties; Analytical Procedures; Metabolism; Functions; Requirements; Natural Sources; Deficiency; Supplementation; -Carotene Function Independent of Vitamin A; Toxicity; References; 3. Vitamin D; Introduction; History; Chemical Structure, Properties, and Antagonists Analytical Procedures; Metabolism; Functions; Requirements; Natural Sources; Deficiency; Supplementation; Toxicity; References; 4. Vitamin E; Introduction; History; Chemical Structure and Properties; Analytical Procedures; Metabolism; Functions; Requirements; Natural Sources; Deficiency; Supplementation; Toxicity; References; 5. Vitamin K; Introduction; History; Chemical Structure, Properties, and Antagonists; Analytical Procedures; Metabolism; Functions; Requirements; Natural Sources; Deficiency; Supplementation; Toxicity; References; 6. Thiamin; |

Introduction; History  
Chemical Structure, Properties, and Antagonists; Analytical Procedures;  
Metabolism; Functions; Requirements; Natural Sources; Deficiency;  
Supplementation; Toxicity; References; 7. Riboflavin; Introduction;  
History; Chemical Structure, Properties, and Antagonists; Analytical  
Procedures; Metabolism; Functions; Requirements; Natural Sources;  
Deficiency; Supplementation; Toxicity; References; 8. Niacin;  
Introduction; History; Chemical Structure, Properties, and Antagonists;  
Analytical Procedures; Metabolism; Functions; Requirements; Natural  
Sources; Deficiency; Supplementation; Toxicity; References  
9. Vitamin B6; Introduction; History; Chemical Structure, Properties, and  
Antagonists; Analytical Procedures; Metabolism; Functions;  
Requirements; Natural Sources; Deficiency; Supplementation; Toxicity;  
References; 10. Pantothenic Acid; Introduction; History; Chemical  
Structure, Properties, and Antagonists; Analytical Procedures;  
Metabolism; Functions; Requirements; Natural Sources; Deficiency;  
Supplementation; Toxicity; References; 11. Biotin; Introduction; History;  
Chemical Structure, Properties, and Antagonists; Analytical Procedures;  
Metabolism; Functions; Requirements; Natural Sources  
Deficiency; Supplementation; Toxicity; References; 12. Folacin;  
Introduction; History; Chemical Structure, Properties, and Antagonists;  
Analytical Procedures; Metabolism; Functions; Requirements; Natural  
Sources; Deficiency; Supplementation; Toxicity; References; 13. Vitamin  
B12; Introduction; History; Chemical Structure, Properties, and  
Antagonists; Analytical Procedures; Metabolism; Functions;  
Requirements; Natural Sources; Deficiency; Supplementation; Toxicity;  
References; 14. Choline; Introduction; History; Chemical Structure and  
Properties; Analytical Procedures; Metabolism; Functions; Requirements

---

Sommario/riassunto

Vitamins in Animal and Human Nutrition contains concise, up-to-date information on vitamin nutrition for both animals and humans. The author defines these nutrients and describes their fascinating discovery, history and relationship to various diseases and deficiencies. Discussion of vitamins also includes their chemical structure, properties and antagonists; analytical procedures; metabolism; functions; requirements; sources; supplementation and toxicity. Vitamin-like substances, essential fatty acids and vitamin supplementation considerations are also examined.

---