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Autore	Salvalaggio, Nantas
Titolo	La provincia avvelenata / Nantas Salvalaggio
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Descrizione fisica	221 p. : tav. ; 22 cm.
Collana	Terza pagina
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Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910791147303321
Titolo	Handbook on the toxicology of metals / / Gunnar F. Nordberg, Bruce A. Fowler, Monica Nordberg, editors
Pubbl/distr/stampa	London, England : , : Academic Press, , 2015 ©2015
ISBN	0-12-397339-2
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (1544 p.)
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Soggetti	Metals - Toxicology
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di contenuto	e9780444594532v1; Front Cover; Handbook on the Toxicology of Metals; Copyright; Preface; Short Contents; Full Contents; List of Contributors; List of Reviewers; Volume I -General Considerations; Chapter 1 -Toxicology of Metals: Overview, Definitions, Concepts, and Trends; 1 METAL EXPOSURES AND GLOBAL BURDEN OF DISEASE; 2 INTERNATIONAL HISTORICAL PERSPECTIVES ON RISKS OF HEALTH

EFFECTS OF METALS; 3 METAL POISONING AND OTHER HUMAN HEALTH EFFECTS; 4 HUMAN EXPOSURES TO METALLIC COMPOUNDS, RISK ASSESSMENT, AND PREVENTION; References
Chapter 2 - General Chemistry, Sampling, Analytical Methods, and Speciation*1 DEFINITION OF METALS; 2 THE PERIODIC TABLE; 3 COMPOUNDS OF METALLIC ELEMENTS; 4 SOLUBILITY; 5 PROPERTIES OF METAL IONS; 6 OTHER ASPECTS OF METAL CHEMISTRY OF BIOLOGICAL AND TOXICOLOGICAL INTEREST; 7 METALLOMICS, TOTAL ELEMENT ANALYSIS, AND ELEMENTAL SPECIATION; 8 SAMPLING AND SAMPLE PREPARATION; 9 SEPARATION TECHNIQUES; 10 DETECTION METHODS; 11 CALIBRATION; 12 REFERENCE MATERIALS; 13 QUALITY ASSURANCE; 14 CONCLUSIONS; References; Chapter 3 - Routes of Exposure, Dose, and Toxicokinetics of Metals*; 1 INTRODUCTION
2 EXPOSURE3 DEPOSITION AND ABSORPTION; 4 TRANSPORT, BIOTRANSFORMATION, AND DISTRIBUTION; 5 PATHWAYS AND MECHANISMS OF EXCRETION; 6 TOXICOKINETIC MODELS AND THEIR USE IN ESTABLISHING DOSE-RESPONSE AND DOSE-EFFECT RELATIONSHIPS; 7 USE OF INDICATOR MEDIA FOR ESTIMATING EXPOSURE OR CRITICAL ORGAN CONCENTRATION; References; Chapter 4 - Toxicity of Metal and Metal Oxide Nanoparticles; 1 METAL AND METAL OXIDE NANOPARTICLES; 2 PRINCIPLES OF NANOPARTICLE-INDUCED TOXICITY; 3 PHYSICOCHEMICAL CHARACTERIZATION; 4 METHODS FOR TOXICITY TESTING OF NANOPARTICLES; 5 GOLD NANOPARTICLES; 6 SILVER NANOPARTICLES
7 PLATINUM AND PALLADIUM NANOPARTICLES8 ALUMINUM AND ALUMINUM OXIDE NANOPARTICLES; 9 COPPER AND COPPER OXIDE NANOPARTICLES; 10 NICKEL AND NICKEL OXIDE NANOPARTICLES; 11 IRON OXIDE NANOPARTICLES; 12 TITANIUM DIOXIDE NANOPARTICLES; 13 ZINC OXIDE NANOPARTICLES; 14 CERIUM OXIDE NANOPARTICLES; 15 SILICON DIOXIDE OR SILICA NANOPARTICLES; 16 SEMICONDUCTOR NANOCRYSTALS; 17 CONCLUDING REMARKS; References; Chapter 5 - Toxicity of Metals Released from Implanted Medical Devices; 1 BACKGROUND; 2 TOXICOLOGICAL ISSUES ASSOCIATED WITH METAL RELEASE FROM SPECIFIC TYPES OF IMPLANTED MEDICAL DEVICES
3 CHALLENGES AND FUTURE DIRECTIONSReferences; Chapter 6 - Toxic Metals in Food; 1 INTRODUCTION; 2 CADMIUM; 3 LEAD; 4 MERCURY; 5 ARSENIC; 6 HEALTH-BASED GUIDANCE VALUES AND BENCHMARK DOSE (LOWER CONFIDENCE LIMIT) FOR CADMIUM, MERCURY, LEAD, AND ARSENIC; 7 FOOD CONTAMINATION FROM PACKAGING; 8 CONCLUSION; References; Chapter 7 - Exposure Assessment, Forward and Reverse Dosimetry*; 1 INTRODUCTION; 2 GENERAL PRINCIPLES; 3 PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELING; 4 BIOMONITORING AND ITS INTERPRETATION; 5 HUMAN PBPK TOOL KIT DEVELOPMENT: THE GENERAL APPROACH; 6 CONCLUSIONS; References
Chapter 8 - Biological Monitoring and Biomarkers

Sommario/riassunto

Handbook on the Toxicology of Metals, Fourth Edition bridges the gap between established knowledgebase and new advances in metal toxicology to provide one essential reference for all those involved in the field. This book provides comprehensive coverage of basic toxicological data, emphasizing toxic effects primarily in humans, but also those of animals and biological systems *in vitro*. The fourth edition also contains several new chapters on important topics such as nanotoxicology, metals in prosthetics and dental implants, gene-environment interaction, neurotoxicology, metals in food, renal,

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Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2004
ISBN	3-540-30108-9
Edizione	[1st ed. 2004.]
Descrizione fisica	1 online resource (X, 457 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3193
Disciplina	005.8
Soggetti	Data encryption (Computer science) Computer networks Operating systems (Computers) Database management Computers and civilization Management information systems Computer science Cryptology Computer Communication Networks Operating Systems Database Management Computers and Society Management of Computing and Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Incorporating Dynamic Constraints in the Flexible Authorization Framework -- Access-Condition-Table-Driven Access Control for XML Databases -- An Algebra for Composing Enterprise Privacy Policies -- Deriving, Attacking and Defending the GDOI Protocol -- Better Privacy for Trusted Computing Platforms -- A Cryptographically Sound Dolev-Yao Style Security Proof of the Otway-Rees Protocol -- A Formalization

of Anonymity and Onion Routing -- Breaking Cauchy Model-Based JPEG Steganography with First Order Statistics -- Comparison Between Two Practical Mix Designs -- Signature Bouquets: Immutability for Aggregated/Condensed Signatures -- Towards a Theory of Data Entanglement -- Portable and Flexible Document Access Control Mechanisms -- Possibilistic Information Flow Control in the Presence of Encrypted Communication -- Information Flow Control Revisited: Noninfluence = Noninterference + Nonleakage -- Security Property Based Administrative Controls -- A Vector Model of Trust for Developing Trustworthy Systems -- Parameterized Authentication -- Combinatorial Design of Key Distribution Mechanisms for Wireless Sensor Networks -- Hindering Eavesdropping via IPv6 Opportunistic Encryption -- On the Role of Key Schedules in Attacks on Iterated Ciphers -- A Public-Key Encryption Scheme with Pseudo-random Ciphertexts -- A Host Intrusion Prevention System for Windows Operating Systems -- Re-establishing Trust in Compromised Systems: Recovering from Rootkits That Trojan the System Call Table -- ARCHERR: Runtime Environment Driven Program Safety -- Sets, Bags, and Rock and Roll -- Redundancy and Diversity in Security -- Discovering Novel Attack Strategies from INFOSEC Alerts.

Sommario/riassunto

Foreword from the Program Chairs These proceedings contain the papers selected for presentation at the 9th European Symposium on Research in Computer Security (ESORICS), held during September 13-15, 2004 in Sophia Antipolis, France. In response to the call for papers 159 papers were submitted to the conference. These papers were evaluated on the basis of their significance, novelty, and technical quality. Each paper was reviewed by at least three members of the program committee. The program committee meeting was held electronically; there was an intensive discussion over a period of two weeks. Of the papers submitted, 27 were selected for presentation at the conference, giving an acceptance rate lower than 17%. The conference program also included an invited talk. A workshop like this does not just happen; it depends on the volunteer efforts of a host of individuals.

There is a long list of people who volunteered their time and energy to put together the workshop and who deserve special thanks. Thanks to all the members of the program committee, and the external reviewers, for all their hard work in the paper evaluation. Due to the large number of submissions the program committee members were really required to work hard in a short time frame, and we are very thankful to them for the commitment they showed with their active participation in the electronic discussion.
