1. Record Nr. UNINA9911018912003321 Handbook of ecotoxicology / / edited by Peter Calow Titolo Oxford, UK: Malden, MA.: Blackwell Science, 1998 Pubbl/distr/stampa **ISBN** 9786612189012 9780632060646 9781282189010 1282189018 9781444313505 1444313509 9781444313512 1444313517 9780632060641 0632060646 Descrizione fisica 1 online resource (901 p.) CalowPeter Altri autori (Persone) Disciplina 571.95 Soggetti Ecological risk assessment Environmental toxicology **Pollution** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali HANDBOOK OF ECOTOXICOLOGY; Contents; List of Contributors; Nota di contenuto Preface to Combined Edition; VOLUME 1; 1: General Principles and Overview; PART I: FRESHWATER SYSTEMS; 2: Microbial Systems; 3: Freshwater Primary Producers; 4: Freshwater Invertebrate Toxicity Tests; 5: Freshwater Fish; 6: Freshwater Sediments; 7: Freshwater Multi-species Test Systems; PART 2: MARINE AND ESTUARINE SYSTEMS; 8: Primary Producers; 9: Marine and Estuarine Invertebrate Toxicity Tests: 10: Methods for Spawning, Culturing and Conducting Toxicity Tests with Early Life Stages of Estuarine and Marine Fishes 11: Appropriate Uses of Marine and Estuarine Sediment Bioassays12: Marine and Estuarine Multi-species Test Systems; PART 3: TERRESTRIAL SYSTEMS: 13: Soil Invertebrates and Micro-organisms: 14: Terrestrial

Terrestrial Mammals; PART 4: GENERAL; 18: Biodegradation; 19: Bioaccumulation; 20: In Situ Biological Monitoring of Pollution in Terrestrial and Aquatic Ecosystems; 21: Bioprobes and Biosensors; 22: The Design and Analysis of Concentration-Response Experiments; VOLUME 2; Preface to Volume 2
1: Overview with Observations on Risk Assessment and ManagementPART 1: CHEMICAL CATEGORIES; 2: Gaseous Compounds; 3: Acid Solutions; 4: Metal Analysis; 5: Heavy Metals; 6: Organometallic Compounds In the Aquatic Environment; 7: Detergents; 8: Pesticides; 9: PCBs, PCDDs and PCDFs; 10: Oils and Hydrocarbons; 11: Organic pollution: Biochemical Oxygen Demand and Ammonia; PART 2: GENERAL; 12: Complex Mixtures; 13: The Octanol-Water Partition Coefficient; 14: Quantitative Structure-Activity Relationships; 15: Fate Models; 16: Prioritization and Standards for Hazardous Chemicals; Glossary; Index

Primary Producers; 15: Insects, Spiders and Mites; 16: Birds; 17:

Sommario/riassunto

The Handbook of Ecotoxicology provides a readily accessible, yet critical collection of information on ecotoxicological testing. Now available in a single paperback volume, this handbook represents excellent value. Part A concentrates on techniques, especially those tests used for prediction. Thorough descriptions of the main tests are provided, followed by critical analyses in terms of ease of handling, repeatability and ecological relevance, and finally, an extensive bibliography citing key documents describing test methods and key papers evaluating them. Part B focuses on the toxican