1. Record Nr. UNINA9910437846803321

Titolo	Environmental toxicology : selected entries from the Encyclopedia of sustainability science and technology / / Edward A. Laws, editor
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-283-93432-9 1-4614-5764-5
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (732 p.)
Altri autori (Persone)	LawsEdward A
Disciplina	615.9 615.902
Soggetti	Environmental toxicology
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	1. Environmental Toxicology, Introduction -- 2. Airborne Toxic Chemicals -- 3. Bioaccumulation/Biomagnifications in Food Chains -- 4. Biomarkers and Metabolomics, Evidence of Stress -- 5. Bioremediation and Mitigation -- 6. Biosensors and Bioassays for Ecological Risk Monitoring and Assessment -- 7. CERCLA, Sustainability and Public and Environmental Health -- 8. Ecological and Health Risks at Low Doses -- 9. Ecological Risk Assessment and Animal Models -- 10. Environmental Toxicology: Carcinogenesis -- 11. Environmental Toxicology: Children at Risk -- 12. Environmental Toxicology: Oxidative Stress -- 13. Harmful Algal Blooms -- 14. Microbial Risk Assessment of Pathogens in Water -- 15. Pathogen and Nutrient Transfer Through and Across Agricultural Soils -- 16. Recreational Water Risk: Pathogens and Fecal Indicators -- 17. Science, Policy, and Risk Management: Case of Seafood Safety -- 18. Sentinel Species in Oceans and Human Health -- 19. Solar Radiation and Human Health -- 20. Toxic Chemical Risks -- 21. Ultraviolet Radiation: Distribution and Variability -- 22. UV Effects on Living Organisms -- 23. Xenobiotic Protection/Resistance Mechanisms in Organisms -- Index.
Sommario/riassunto	Environmental Toxicology provides a detailed, comprehensive introduction to this key area of sustainability and public health research. The broad coverage includes sections on ecological risk

assessment, monitoring, mechanisms, fate and transport, prevention, and correctives, as well as treatment of the health effects of solar radiation and toxicology in the ocean. The 23 state-of-the-art chapters provide a multi-disciplinary perspective on this vital area, which encompasses environmental science, biology, chemistry, and public health. Features authoritative, peer-reviewed entries from the Encyclopedia of Sustainability Science and Technology Covers a wide range of environmental toxicology research, from recreational water risk to biomarkers and metabolomics Written for an audience of undergraduate and graduate students, researchers, industry professionals, and policymakers.