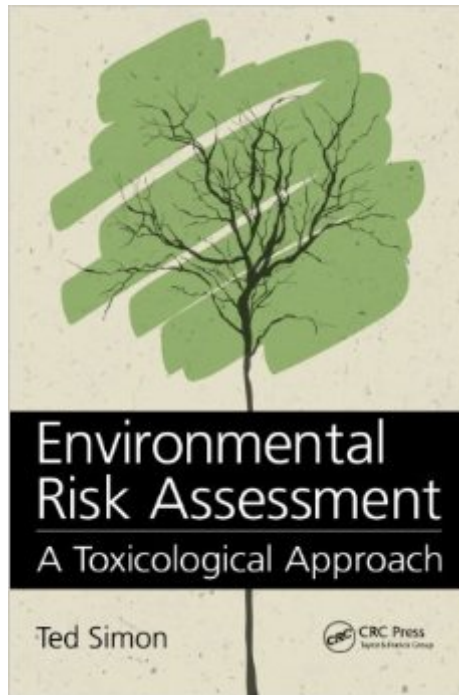


The book was found

Environmental Risk Assessment: A Toxicological Approach



Synopsis

The purpose of risk assessment is to support science-based decisions about how to solve complex societal problems. The problems we face in the twenty-first century have many social, political, and technical complexities. Environmental risk assessment in particular is of increasing importance as a means of seeking to address the potential effects of chemicals in the environment in both the developed and developing world. *Environmental Risk Assessment: A Toxicological Approach* examines various aspects of problem formulation, exposure, toxicity, and risk characterization that apply to both human health and ecological risk assessment. The book is aimed at the next generation of risk assessors and students who need to know more about developing, conducting, and interpreting risk assessments. It delivers a comprehensive view of the field, complete with sufficient background to enable readers to probe for themselves the science underlying the key issues in environmental risk. Written in an engaging and lively style by a highly experienced risk assessment practitioner, the text:

- Introduces the science of risk assessment
- Covers problem formation and the development of exposure factors
- Explains how human epidemiology and animal testing data are used to determine toxicity criteria
- Provides environmental sampling data for conducting practice risk assessments
- Examines the use of in vitro and omics methods for toxicity testing
- Describes the political and social aspects of science-based decisions in the twenty-first century
- Includes fully worked examples, case studies, discussion questions, and links to legislative hearings

Readers of this volume will not only learn how to execute site-specific human health and ecological risk assessments but also gain a greater understanding of how science is used in deciding environmental regulations.

Book Information

File Size: 44771 KB

Print Length: 406 pages

Publisher: CRC Press (February 5, 2014)

Publication Date: February 5, 2014

Sold by: Digital Services LLC

Language: English

ASIN: B00HSSC3IE

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #595,418 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #46

inÂ Kindle Store > Kindle eBooks > Medical eBooks > Pharmacology > Toxicology #213 inÂ Books
> Medical Books > Pharmacology > Toxicology #270 inÂ Kindle Store > Kindle eBooks > Medical
eBooks > Administration & Policy > Public Health

Customer Reviews

This book is a great reference and resource for an individual with some working knowledge of risk assessment and a strong interest in environmental exposure. If you are active in developing and publishing risk assessments, I recommend this resource as a guide and great procedural check for benchmarking and best practices. The book opens with a very thoughtful and thorough review of risk assessment history. The book discussed the detailed aspects of problem formulation and for exposure assessment, focuses on examples of environmental concentrations, there is less focus on industrial hygiene measurements, that maybe of more interest to those addressing human health risk assessment versus environmental. Both are important and becoming integrated as risk assessment evolves. I particularly like the section on "How to Interpret and Use MOA Information" as this is often a confusing topic for risk assessors. There are interesting data examples, web resources, and data figures throughout to illustrate points. My only recommendation is that future editions could include some full case studies at the end of the book.

[Download to continue reading...](#)

Environmental Risk Assessment: A Toxicological Approach Risk Assessment Methods: Approaches for Assessing Health and Environmental Risks Radiological Risk Assessment and Environmental Analysis A Biologic Approach to Environmental Assessment and Epidemiology Foundations of Banking Risk: An Overview of Banking, Banking Risks, and Risk-Based Banking Regulation Modeling Risk, + DVD: Applying Monte Carlo Risk Simulation, Strategic Real Options, Stochastic Forecasting, and Portfolio Optimization Precautionary Politics: Principle and Practice in Confronting Environmental Risk (Urban and Industrial Environments) Children at Risk: Assessment, Longitudinal Research, and Intervention (Prevention and Intervention in Childhood and Adolescence) HIPAA Deskbook - Second Edition: Privacy and Security Regulations With Risk Assessment and Audit Standards Caries Risk: A Practical Guide for Assessment and Control Perioperative Kidney Injury: Principles of Risk Assessment, Diagnosis and Treatment Drugs During Pregnancy and Lactation, Third Edition: Treatment Options and Risk Assessment (Schaefer, Drugs During Pregnancy and

Lactation) Chemical Risk Assessment: A Manual for REACH Beyond Resource Wars: Scarcity, Environmental Degradation, and International Cooperation (Global Environmental Accord: Strategies for Sustainability and Institutional Innovation) Environmental Engineering and Sanitation (Environmental Science and Technology: A Wiley-Interscience Series of Texts and Monographs) The Nature of Gold: An Environmental History of the Klondike Gold Rush (Weyerhaeuser Environmental Books) Environmental Laws: Summaries of Major Statutes Administered by the Environmental Protection Agency The Sustainability Handbook: The Complete Management Guide To Achieving Social, Economic and Environmental Responsibility (Environmental Law Institute) Environmental Toxicology and Chemistry (Topics in Environmental Chemistry) Environmental Health: From Global to Local (Public Health/Environmental Health)

[Dmca](#)