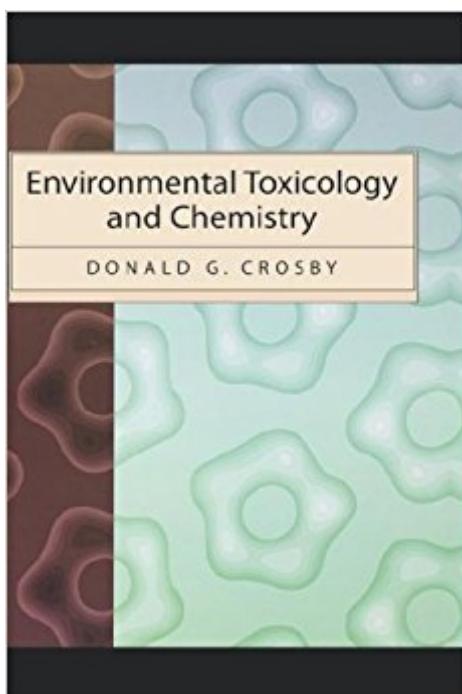


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Environmental Toxicology And Chemistry (Topics In Environmental Chemistry)



Synopsis

Although they are two aspects of the same subject, environmental toxicology and environmental chemistry are usually presented as though they are entirely separate from one another; even their practitioners often seem unaware of the connections. Environmental Toxicology and Chemistry is the first text to tie these subjects closely together, demonstrating the immediate relevance of each subject to the other while also providing basic, easily understandable introductions to both areas. This unique work presents their principles and applications through numerous illustrative examples and special topics that highlight current environmental concerns. It provides up-to-date as well as historical examples of both subjects and includes discussions of ecotoxicology, epidemiology, predictive methods, and other topics not covered in similar texts. It also includes invertebrates and nonmammal vertebrates, plants, and microorganisms, as well as humans and other mammals. The first five chapters place chemicals in the environment; the following five provide the biological and toxicological settings; and the remaining six chapters offer examples of specific chemicals, their toxic effects and significance, and predictions of fate and toxicity. Each chapter concludes with a discussion of a related topic of particular public and scientific interest, such as chemical carcinogens, pesticide residues, or hazardous wastes. Ideal for advanced undergraduate and graduate students in environmental toxicology courses, Environmental Toxicology and Chemistry offers a timely, comprehensive introduction to the principles of toxicology as they apply to our environment. It is also useful for professionals and practitioners in a wide range of environmentally related fields and businesses.

Book Information

Series: Topics in Environmental Chemistry

Hardcover: 336 pages

Publisher: Oxford University Press; 1 edition (February 26, 1998)

Language: English

ISBN-10: 0195117131

ISBN-13: 978-0195117134

Product Dimensions: 9.1 x 0.9 x 6.3 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 5 customer reviews

Best Sellers Rank: #865,476 in Books (See Top 100 in Books) #112 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Toxicology #181 in Books >

Customer Reviews

"Excellent coverage of current thinking in the science of toxicology."--William A. Toscano, Jr., Tulane University "[O]utstanding in concept and scope. A very strong contribution and a valuable source."--John N. Cooper, Bucknell University "An excellent introductory book to the field of environmental toxicology. Especially valuable is the use of chemical principles to predict biological and environmental effects. Timely in its examples and principles."--Bruce Hammock, University of California-Davis "Excellent book. Very thorough. Many examples."--Dan Sullivan, University of Nebraska

Donald Crosby is at University of California, Davis (Emeritus).

Very useful in explaining the relation between chemistry and environmental toxicology, I am using this book for my environmental toxicology class and I have no complaint.

The book is very informative and useful.

very good

Good

This textbook is simply an outstanding piece of science. Crosby literally gives the reader a mouthful when dealing with the subjects of environmental toxicology and chemistry. It is indeed a detailed and in-depth textbook which covers the basic scientific foundations of environmental toxicology and chemistry. Additionally, Crosby intertwines the two subjects and shows how one is closely related to the other in terms of making adequate scientific risk assessments and writing scientific reviews. Crosby's work in this particular textbook is nothing short of academically remarkable. This textbook is a must science book for those in the academic, industrial, governmental, and private sectors of the business world. It provides the reader with an insight of how toxicology and chemistry functions in the environmental science fields and how these two subjects are used in making concise and clear analysis of chemical agents and contaminants in the water, soil, and air. The

ecotoxicity affects of these contaminants are reviewed in great detail to give the reader an insight of how environmental pollution affects air, water, and soil and the living organisms in each area. In short one can soon surmise that this textbook meets the expectations of the reader and gives the reader a detailed-intellectual background information about environmental toxicology and chemistry. It is a must read textbook and a perfect guide to obtaining a greater level of comprehension in the scientific fields of toxicology and chemistry.

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