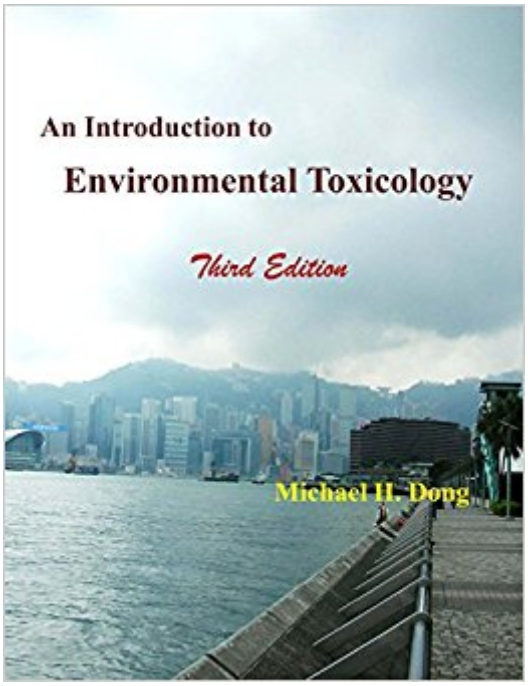
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An Introduction To Environmental Toxicology Third Edition



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Synopsis

As with the first (student) and second editions, An Introduction to Environmental Toxicology Third Edition offers a general introductory text on the scope and basic principles for as well as the relevant concepts of environmental toxicology. To this end, the book is organized into four sections: I. Toxicologic Concepts and Environmental Concerns (Chapters 1 Ã¢â ¬â œ 5); II. Bioaccumulation and Biodisposition of Toxicants (Chapters 6 Ã¢â ¬â œ 10); III. Nature and Effects of Environmental Toxicants (Chapters 11 Ã¢â ¬â œ 17); and IV. General Considerations and Special Foci (Chapters 18 Ã¢â ¬â œ 23). 1. Scope and Principles for Environmental Toxicology; 2. Environmental Changes and Environmental Health; 3. Environmental Pollution and Regulatory Agencies; 4. Occurrence and Types of Environmental Toxicants; 5. Fate and Transport of Toxicants in the Environment; 6. Bioaccumulation of Persistent Environmental Toxicants; 7. Uptake and Distribution of Toxicants; 8. Metabolism/Biotransformation of Xenobiotics; 9. Adverse Action/Toxic Response; 10. Factors and Conditions Affecting Toxicity; 11. Air Pollutants Ã¢â ¬â œ I. Inorganic Gases; 12. Air Pollutants Ã¢â ¬â œ II. Particulate Matter; 13. Volatile Organic Compounds; 14. Toxic and Radioactive Metals; 15. Pesticides and Pesticide Residues; 16. Persistent Toxic Substances; 17. Biological and Physical Toxic Agents; 18. Environmental Mutagenesis/Carcinogenesis; 19. Reproductive Toxicity and Endocrine Disruption; 20. Occupational Toxicology/Industrial Chemicals; 21. Food Toxicants and Toxic Household Substances; 22. Human Health Aspects of Ecotoxicology; 23. Environmental Health Risk Assessment. The content difference between the Second and this Edition is minimal. In addition to having corrected several typos found in the Second Edition, this Third Edition has made minor refinements and updated the status of several contemporary issues discussed in the text (e.g., H1N1 flu, SARS/MERS, persistent organic pollutants). In particular, Chapter 17 has now added the U.S. Code as a (legal) source for the definition of toxin. This Third Edition has also included in its back cover the encouraging book review conclusion given by Prof. Arthur L. Frank, M.D., Ph.D., chair of the Department of Environmental & Occupational Health, Drexel University School of Public Health, as reproduced below (excerpted from IJEOH 2013, 19:248): Ã¢â ¬Å“Taken together, these sections and chapters add up to a book that is readable, understandable and appropriate to how we now find matters in the real world. In summary, I recommend this book (second edition) as excellent for students, useful to others wishing to begin to understand the topics covered, and feel it benefits from both the case study approach and thought provoking reviews at the end of each chapter.Ã¢â ¬Â•

Book Information

Paperback: 500 pages
Publisher: CreateSpace Independent Publishing Platform; Third Edition edition (January 7, 2014)
Language: English
ISBN-10: 1494324083
ISBN-13: 978-1494324087
Product Dimensions: 7.4 x 1.1 x 9.7 inches
Shipping Weight: 2.4 pounds (View shipping rates and policies)
Average Customer Review: 5.0 out of 5 stars 5 customer reviews
Best Sellers Rank: #556,593 in Books (See Top 100 in Books) #115 inÃ Â Books > Medical Books > Pharmacology > Toxicology

Customer Reviews

Dr. Dong holds a Doctor of Public Administration (Dr.P.A.) in environmental health policy from the University of Southern California and a Doctor of Philosophy (Ph.D.) in environmental epidemiology from the University of Pittsburgh. He has also earned a Master of Public Health (M.P.H.) in environmental/nutritional sciences from UCLA, a B.Sc. in biochemistry from the University of California at Riverside, and a second B.Sc. in forensic science from the California State University at Sacramento (CSUS). Currently he is a full member of the (American) Society of Toxicology, a full member of the American College of Nutrition, a Certified Nutrition Specialist (CNS), and a Diplomate of the American Board of Toxicology (DABT). Michael has been working for some 25 years as a regulatory toxicologist for the state of California. Prior to his state employment, for several years he was on military active duty as a U.S. Public Health Service Commissioned Corps officer serving at the U.S. Food and Drug Administration. He also served for several years as a U.S. Army Medical Service Corps officer with various assignments working as a nutritional, clinical, or research biochemist. Between the two U.S. military services, Michael worked for a year as an occupational toxicologist as well as an environmental epidemiologist at the U.S. Occupational Safety and Health Administration. For four years between 2005 and 2009, Michael served as one of the dozen board directors (members) of the American Board of Toxicology (ABT). From 2006 to 2008, he served as a voting member of the Scientific Advisory Committee on Alternative Toxicological Methods (SACATM) for the U.S. National Institute of Environmental Health Sciences. He is currently serving on the editorial board for the two international journals Environmental Geochemistry & Health (since December 2004) and Human & Ecological Risk Assessment (since January 2013). And since January 2008, he has been an adjunct lecturer teaching the environmental toxicology course for the

Department of Environmental Studies at CSUS. MichaelÃ¢â ¬â„¢s recent publications include this textbook An Introduction to Environmental Toxicology Third Edition and the perspective article titled Ã¢â ¬Å“Assessment of Field Reentry Exposure to Pesticides: Limitations, Uncertainties, and AlternativesÃ¢â ¬Â• (Hum. Ecol. Risk Assess. 2013, 19:579-600).

This book was required for my class but it was one of the best text books that I have ever had. It was very informative but also very easy to read and understand. the questions at the end of the chapter came right from the reading and made the material stick in my head better. I loved this book

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