

Toxicology of the Immune System, Volume 5 (Comprehensive Toxicology)

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ENVIRONMENTAL TOXICOLOGY

Environmental Toxicology is a comprehensive introductory textbook designed for undergraduate and graduate students of this subject.

The text is arranged in four tiers and covers most aspects of environmental toxicology, from the molecular to the ecosystem level. Early chapters deal with basic and advanced concepts, methods, and approaches for environmental toxicology. The next tier of chapters discusses the environmental toxicology of individual substances or groups of substances. The third tier of chapters addresses complex issues that incorporate and integrate many of the concepts, approaches, and substances covered in the first two tiers. The fourth part includes chapters on risk assessment, rehabilitation, and regulatory toxicology. A final chapter discusses areas of study for current and future emphasis.

Throughout the book concise case studies from Europe, the United Kingdom, and North America illustrate the issues. Each chapter has a comprehensive list of references and further reading, as well as student exercises that are designed to reinforce the subject matter.

There is an extensive glossary and a list of abbreviations and acronyms. *Environmental Toxicology* is primarily a textbook for undergraduate and graduate students in environmental toxicology, environmental chemistry, ecotoxicology, applied ecology, environmental management, and risk assessment. It will also be valuable for specialists in ecology, environmental science, and chemistry, for example, practitioners in the metals and energy industries and in agriculture.

David A. Wright is a professor at the Center for Environmental Science at the University of Maryland and Director of the Chesapeake Bay Ambient Toxicity Program for the state of Maryland. Professor Wright has published more than 100 journal articles primarily on the physiology of ionic regulation and the uptake, toxicology, and physiology of trace metals in aquatic organisms. In recent years he has developed an interest in the dispersion and control of non-indigenous species. He has served on numerous review panels at the state and federal level and has testified in many court cases and hearings concerned with environmental pollution. He holds a DSc degree from the University of Newcastle upon Tyne.

Pamela Welbourn is a professor at Queen's University, previously a professor at Trent University, and former director of the Institute for Environmental Studies and a professor at the University of Toronto. Professor Welbourn has published more than 150 articles in scientific journals including *Nature*, *Environmental Science and Technology*, the *Canadian Journal of Fisheries and Aquatic Sciences*, and *Environmental Toxicology and Chemistry* and has contributed to ten scholarly books on aspects of the environmental toxicology of inorganic substances. She has served on numerous panels and boards in Canada and the United States, as well as on various public advisory committees. She has also had experience testifying as an expert witness in cases involving environmental contamination.

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