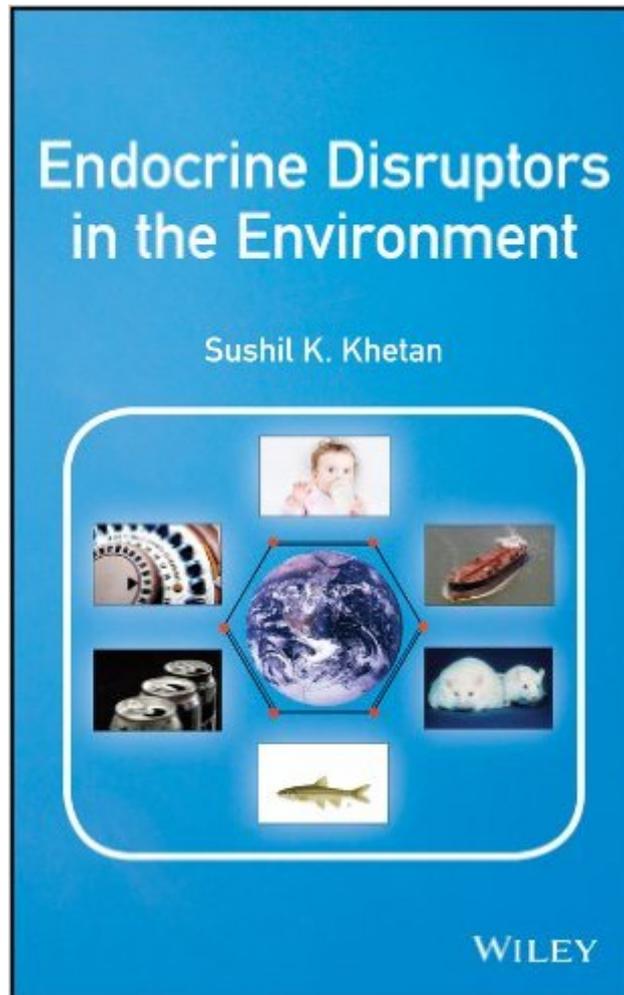


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# Endocrine Disruptors In The Environment



## Synopsis

A concise and engaging overview of endocrine disruption phenomena that brings complex concepts within the reach of non-specialists. For most of the last decade, the science of endocrine disruption has evolved with more definitive evidence of its damaging potential to health and environment. This book lists the major environmental chemicals of concern and their mechanism of endocrine disruption including remedial measures for them. Divided into three parts, *Endocrine Disruptors in the Environment* begins with an overview of the endocrine system and endocrine disruptors, discussing their salient features and presenting a historical perspective of endocrine disruption phenomena. It then goes on to cover hormone-signaling mechanisms, followed by various broad classes of putative endocrine disruptors, before introducing readers to environmental epigenetic modifications. Part two of the book focuses on removal processes of various EDCs by biotic and abiotic transformation/degradation. The last section consists of four chapters embracing themes on finding solutions to environmental EDCs including their detection, regulation, replacement, and remediation. *Endocrine Disruptors in the Environment* is the first book to detail the endocrine effects of several known environmental contaminants and their mechanism of endocrine disruption. Additionally, it:

- Covers both the chemistry and biology of endocrine disruption and compiles almost all the known endocrine disrupting environmental chemicals and their mechanisms of toxicity
- Addresses policy and regulatory issues relevant to EDCs including scientific uncertainty and precautionary policy
- Brings forth the use of Green Chemistry principles in avoiding endocrine disruption in the designing and screening for safer chemicals and remediation of the EDCs in aquatic environment
- Includes a useful glossary of technical terms, a list of acronyms, topical references, and a subject index

*Endocrine Disruptors in the Environment* is an ideal book for environmental chemists and endocrine toxicologists, developmental biologists, endocrinologists, epidemiologists, environmental health scientists and advocates, and regulatory officials tasked with risk assessment in environment and health areas.

## Book Information

Hardcover: 408 pages

Publisher: Wiley; 1 edition (June 23, 2014)

Language: English

ISBN-10: 1118852931

ISBN-13: 978-1118852934

Product Dimensions: 6.4 x 1.1 x 9.6 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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## Customer Reviews

This is a very useful review that provides an excellent introduction to endocrine disruption. I have read almost every monograph on endocrine disruption available on , and this book contains the best and most current review of the endocrine disruption effects of mixtures that I have seen in the monographic literature. Other chapters that I appreciated were on epigenetic and transgenerational effects of endocrine disruption.

The author describes in detail a range of mostly synthetic endocrine disruptors, their actions, mechanisms, effects of mixtures, a short course on epi-genetics, removal/destruction of these chemicals, testing and such. The book is aimed at those directly involved with research. For other readers, the book simply describes a myriad of potential problems which serves mostly to produce public "angst". I would have liked to see an expert, such as the author, giving an opinion of what is important and what is not. There is no use worrying about endocrine disruptors if the concentration in the environment is orders of magnitude below a possible negative effect. I worry that this book will be used by "environmental extremists" to bring scientific progress to a halt.

The book arrived before at deadline. I like the book, there are many interesting scientific topics.

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