Toxicology and Risk Assessment: A Comprehensive Introduction, 2nd Edition
Helmut Greim (Editor), Robert Snyder (Editor)

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DESCRIPTION

Provides a complete understanding of how our bodies respond to toxicants, and the principles used to assess the health risks of specific exposure scenarios

*Toxicology and Risk Assessment: A Comprehensive Introduction, Second Edition* reflects recent advances in science and technology, and provides the scientific background and methodological issues to enable the reader to understand the basic principles in toxicology and to evaluate the health risks of specific exposure scenarios.

Completely updated with the latest information, this book offers a concise introduction to the subject. It is divided into five sections: Principles in Toxicology, Organ Toxicology, Methods in Toxicology, Regulatory Toxicology, and Specific Toxicity. The 2nd Edition adds new chapters that cover recent scientific and technological advances and current topics including the endocrine system, alternatives to animal testing, risk assessment and thresholds for carcinogens, European and international regulation, nanomaterials, fuels, fragrances, and agrochemicals.

- Concentrates on the basic concepts of toxicology and provides sufficient information for the reader to become familiar with them in order to understand the principles and to evaluate the risks at given exposures
- 30% new chapters cover recent scientific and technological advances including alternatives to animal testing; genotoxic carcinogens; REACH regulations; nanomaterials; fuels; fragrances; PAHs; and agrochemicals
- Written by a team of international specialists, and edited by two outstanding scientists in the field

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**ABOUT THE AUTHOR**

**Helmut Greim, MD,** is a toxicologist and former chair of the Institute of Toxicology and Environmental Hygiene at the Technical University of Munich, Germany. His research experience is in drug metabolism, toxicokinetics, mechanisms of carcinogenic agents, and in vitro test systems.

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