DESCRIPTION

*A Textbook of Modern Toxicology* is a unique resource that provides both students and practitioners with a wide-ranging, accessible overview of the discipline. Suitable for courses in environmental, pharmacological, medical, and veterinary toxicology, this essential text features chapters written by experts who address a range of key topics.

The Fourth Edition includes additional chapters on new approaches to toxicology - molecular methods (-omics: toxicogenomics, proteomics, and metabolomics), bioinformatics, and systems biology – and continues the legacy of its predecessors to provide up-to-date insights into acute toxicity and chemical carcinogenesis, organ toxicity, in vitro and in vivo toxicity testing, ecological risk assessment, and many other areas of toxicology that help foster a solid comprehension of the field.

Also featured in the Fourth Edition are end-of-chapter questions and a Solutions Manual available separately for academic adopters.

ABOUT THE AUTHOR

**ERNEST HODGSON, PhD,** is Distinguished Professor Emeritus of Toxicology at North Carolina State University. In addition to the previous editions of *A Textbook of Modern Toxicology,* he coedited *Molecular and Biochemical Toxicology, Fourth Edition* (Wiley) and its prior editions. Dr. Hodgson is the Editor of the *Journal of Biochemical and Molecular Toxicology.*
NEW TO EDITION

• Adds chapters on new approaches to toxicology: molecular methods (-omics: toxicogenomics, proteomics, and metabolomics), bioinformatics, and systems biology

• Now featured in the Fourth Edition are end-of-chapter questions

FEATURES

• Provides a very thorough, concise and up-to-date summary of the most important topics within the toxicology field

• Presents the interdisciplinary nature of toxicological studies

• Continues from prior editions with coverage of basic concepts in toxicology and adds chapters on molecular methods (-omics: toxicogenomics, proteomics, and metabolomics), bioinformatics, and systems biology

• Includes end-of-chapter questions

• Online Solutions Manual available for academic adopters

• Does not require an extensive background in anatomy and physiology

For additional product details, please visit https://www.wiley.com/en-us