An essential resource for graduate students, academic and industrial toxicologists, and environmental health scientists and professionals

Much more than an introductory text, this crucial new edition has been completely revised to provide timely and thorough coverage of the underlying biochemical, molecular, and cellular mechanisms through which toxicants produce their adverse effects. Toxicological issues are covered from the molecule to the cell to the organ level. Complex methods used in toxicology are also described in a straightforward, easy-to-understand style.

The book guides graduate students, toxicologists, and environmental health professionals through the principles of molecular and biochemical toxicology and the complex mechanisms of toxicity. Whether it’s used in the classroom or in industry, research, or academia, this book is essential for anyone interested in understanding the molecular mechanisms through which toxicants produce adverse effects.

Additional features of this new edition include: