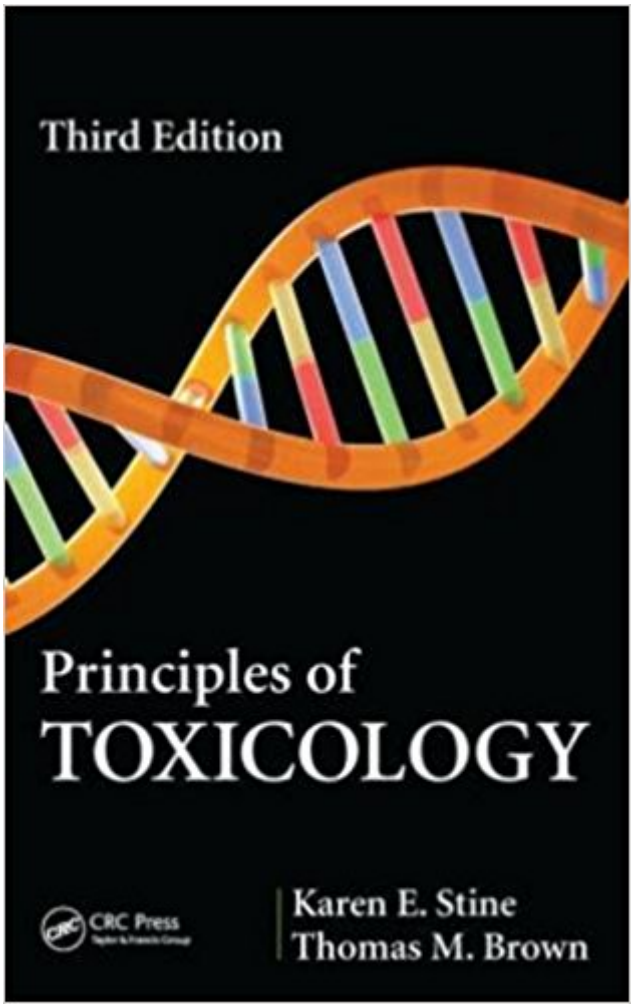
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Principles Of Toxicology, Third Edition



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Synopsis

Reflecting the broad and interdisciplinary nature of toxicology, this third edition of Principles of Toxicology explores the biochemical, physiological, and environmental aspects of the subject. This new edition is updated and revised to include reference to several major new directions in the science of toxicology, including significant changes in thinking about cancer and carcinogenesis as well as the rapid expansion of toxicogenomics. The book also includes new chapters on topics of timely interest such as radiation, food safety, and natural toxins. As in previous editions, chapters combine background material in the appropriate disciplineÃ¢â ¬â ¢which helps readers review and remember the basicsÃ¢â ¬â ¢with new information on toxicology to stress key principles and concepts. Also included is a selection of updated case studies through which principles and concepts are applied to real-world issues. The book features an extensive cross-referencing system linking all sections and enhancing the integration of material, thus helping readers tie it all together. It also includes an appendix of selected toxicants that describes chemical structure, category of use, and toxicity. These features make specific information quick and easy to find. The easy-to-follow format and clear presentation of information in this book will make this one of the most useful references on your shelf.

Book Information

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Customer Reviews

"Well-targeted by the authors for the intended purpose. Online access to material is employed where appropriateÃ¢â ¬Â¦ Where relevant the text includes historical examples to assist or amplify

the subject matterÃ¢â ¬Â| One of the strengths of the book is the considerable cross referencing which provides useful assistance to the user to fully understand the wider ramifications of what might at first sight appear relatively isolated or limited problems. Furthermore the case-studies achieve exactly what they are intended to do, namely highlight the important points and place them in a context which is relevant and illustrative" - (Highly Commended, Public Health, BMA Medical Book Awards 2016)

Karen E. Stine, PhD, is a professor of Biology and former dean of the School of Sciences at Auburn University at Montgomery in Alabama, USA. She has also served as the director of the undergraduate toxicology program at Ashland University in Ohio. She earned her PhD in toxicology from the University of North Carolina at Chapel Hill. Dr. Stine is a member of the Society of Toxicology and the Society of Environmental Toxicology and Chemistry. At Clemson University, Dr. Stine co-developed and co-taught a Principles of Toxicology course that was open to both undergraduate and graduate students. Her research interests are in the area of mechanisms of toxicity and focus on the role of stress proteins in cellular function and dysfunction. Dr. Stine has also authored or co-authored several research publications in the field of toxicology. Thomas Miller Brown, PhD, is president of Genectar Com LLC in Whitefish, Montana, USA which conducts research in toxicology, genetics, and genomics, now focusing on pigment cell development in the common wood nymph butterfly as a melanoma model. He earned his PhD from Michigan State University. Formerly a professor, Dr. Brown taught Toxicology of Insecticides, Principles of Toxicology, and Insect Biotechnology. He also led the discovery of an actively transposing short interspersed nuclear element (Insect Science 16:219Ã¢â ¬â œ226). He has published papers on the biochemical toxicology of organophosphorus compounds and on the mechanisms of insecticide resistance in insects. Dr. Brown has also conducted research at Nagoya University and Tsukuba Science City in Japan.

Had Dr. Stine as a professor! She is extremely knowledgeable on the subject matter!! Highly recommended book!!

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