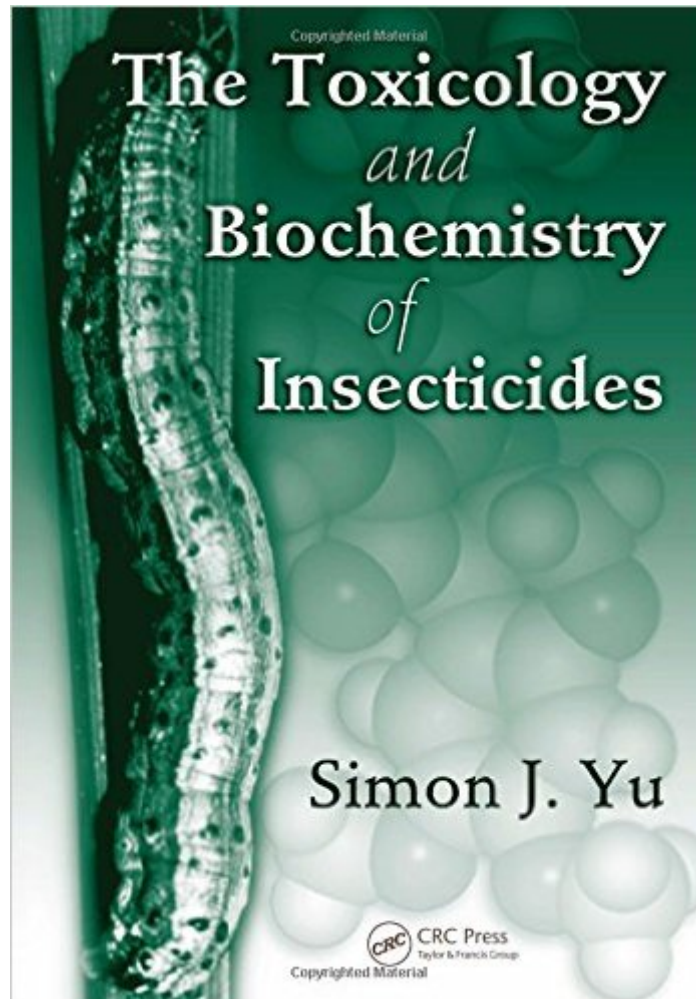


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# The Toxicology And Biochemistry Of Insecticides



## Synopsis

The first book in two decades to address this multi-faceted field, *The Toxicology and Biochemistry of Insecticides* provides the most up-to-date information on insecticide classification, formulation, mode of action, resistance, metabolism, environmental fate, and regulatory legislation. The book draws on the author's groundbreaking research in insect detoxification. It discusses mechanisms at the molecular level such as specific enzymes that contribute to insecticide resistance, the modification of which can change insecticide susceptibility and influence host plant selections in phytophagous insects. Beginning with a general introduction, eleven chapters integrate classical toxicology with physiology, biochemistry, and molecular biology to present a comprehensive look at the field. The book discusses the demand and formulation of pesticides and describes each type from dusts and powders to baits and aerosols. It classifies insecticides by target, chemical compound, and mechanism; evaluates toxicity testing procedures; explains pesticide uptake, mode of action, and metabolism; and explores species differences, resistance, and interactions. It also considers pesticides in the environment and federal and state regulatory legislation and enforcement. A long-awaited, state-of-the-science review on insect toxicology, this indispensable book brings you up-to-date on the many aspects and implications of pesticide use and provides the necessary background and platform from which to conduct future research.

## Book Information

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## Customer Reviews

This book is a great choice if someone wants to get to understand all the information about the

insecticides we use or used for agricultural. Very useful and simple to get an understanding on how insect pests are affected by insecticides, as well as the resistance they might develop overtime. I recommend it!

Quickly and new. Good service and fast. Im satisfied with my purchase. Recommended!! hh hhh hhh hhh hh hh hh

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The Toxicology and Biochemistry of Insecticides Assessing Ocular Toxicology in Laboratory Animals (Molecular and Integrative Toxicology) Complications of Viral & Mycoplasmal Infections in Rodents to Toxicology Research & Testing (Chemical Industry Institute of Toxicology Series) Apoptosis Methods in Pharmacology and Toxicology: Approaches to Measurement and Quantification Environmental Toxicology and Chemistry (Topics in Environmental Chemistry) Silver in Healthcare: Its Antimicrobial Efficacy and Safety in Use (Issues in Toxicology) Handbook of Clinical Toxicology of Animal Venoms and Poisons Bioactivation of Foreign Compounds (Biochemical Pharmacology and Toxicology Series) PVP: A Critical Review of the Kinetics and Toxicology of Polyvinylpyrrolidone (Povidone) Handbook of Pharmacokinetic/Pharmacodynamic Correlation (Handbooks in Pharmacology and Toxicology) Role of gut bacteria in human toxicology and pharmacology Principles of Toxicology: Environmental and Industrial Applications Forensic Toxicology: Mechanisms and Pathology Biopharmaceutics of Ocular Drug Delivery (Handbooks in Pharmacology and Toxicology) Clinical Toxicology: Principles and Mechanisms Chemistry and Toxicology of Pyrrolizidine Alkaloids Clinical Ocular Toxicology: Drug-Induced Ocular Side Effects, 1e A Guide to Molecular Pharmacology-Toxicology A guide to molecular pharmacology-toxicology, (Modern pharmacology, v. 1) Principles of Toxicology, Third Edition

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