

Patty's Toxicology

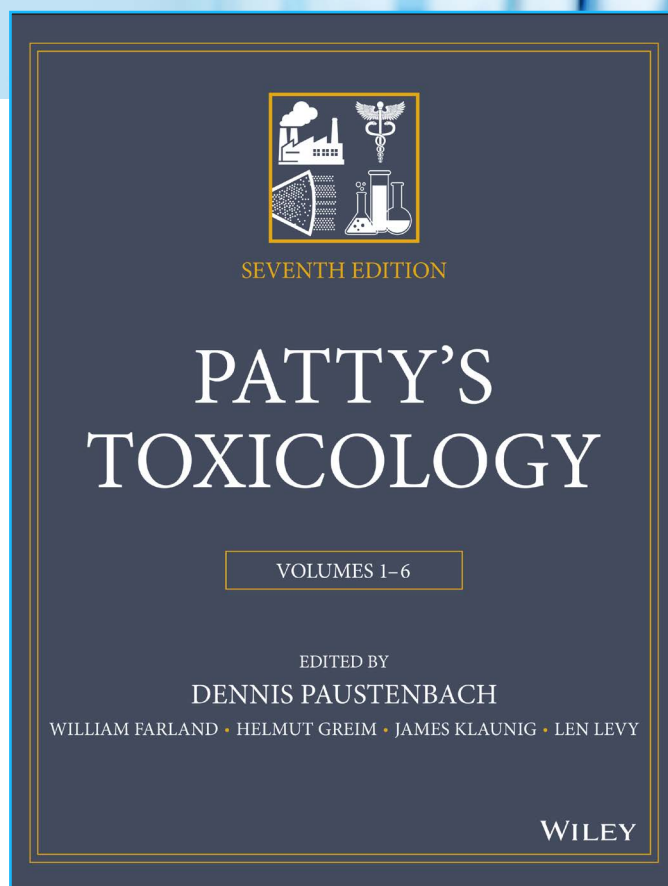
7th Edition

Edited by Dennis J. Paustenbach, McLaren Environmental Engineering, Alameda, California; William H. Farland; James Klaunig; Len Levy and Helmut Greim

Patty's Toxicology has long been recognized as the premier reference for toxicological information on a large number of industrial chemicals that pose potential health hazards for workers and consumers. The new edition provides updates for 90 chapters and features 20 new chapters. New Editors-in-Chief, and for the first time a group of Associates editors, bring a diverse new perspective and a more international focus.

The 7th edition reorganizes the book to place the key introductory topics in Volume 1. The first volume provides the basic concepts, approaches and vocabulary that recur throughout the rest of the book. There are several new sections to the introductory volume including biotransformation of xenobiotics, toxicokinetics, mitochondrial toxicology, genetic toxicology, cancer risk assessment reproductive and developmental, and the setting of occupational exposure levels.

Other topics added to subsequent volumes include fluorinated compounds used in food packaging such as for non-stick pans as well as for making upholstered furniture, carpets, shoes, mattresses and clothing that are resistant to soil, stains, and water. Other new chapters include flavoring chemicals, flame retardants and engine lubricants. The 7th edition also contains information on plasticizers/phthalates, and exhaust from diesel engines. The section in *Patty's* pertaining to agricultural chemicals is reorganized and expanded, including more coverage of pesticides. Topics where there is substantial new research, such as nanomaterials, are significantly enhanced.



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EDITOR-IN-CHIEFS

Dennis J. Paustenbach, PhD, DABT, CIH. has 40 years of experience in the field of risk assessment (which draws on his toxicology and industrial hygiene education, as well as experience). Dr. Paustenbach has a BS in chemical engineering, an MS in industrial hygiene and toxicology, and a PhD in industrial toxicology with Post-doc experience at the Wright-Patterson Air Force Base and, later, at the Harvard School of Public Health. He has published almost 50 book chapters and nearly 300 peer reviewed papers.

Bill Farland, PhD. has been active in the field of toxicology and regulatory policy for the past 40 years and has been a leader in the environmental sciences. He has held many senior positions within EPA over a period of about 30 years and eventually served as Deputy Assistant Administrator for Science (SES ES-05) within the Office of Research and Development U.S. Environmental Protection Agency. After his time at EPA, he was Provost of research at Colorado State University. He also served as Professor, Environmental and Radiological Health Sciences, College of Veterinary Medicine and Biological Sciences, Colorado State University, Fort Collins, Colorado.

James Klaunig, PhD, ATS, IATP . has been a professor of toxicology for almost 40 years. Dr. Klaunig has served both the academic community, the state, national, and scientific societies. He has also served on numerous US EPA scientific advisory panels and was a member of the scientific advisory board of the agency. He has served as a member of the NTP Board of Scientific Councilors for the NIEHS and has participated ad hoc and as a permanent member for multiple study sections for the NIH Grant Review Program. He was one of the original associate editors of Toxicological Sciences and also served as Editor-in-Chief of Toxicologic Pathology. His lab has produced 240 peer-reviewed publications, as well as, numerous meeting abstracts and over 15 book chapters.

ASSOCIATE EDITORS

Helmut Greim, PhD, (Germany) has been a professor during his entire adult life in Germany. For the past 40 years, he has been among the most visible scholars in toxicology and occupational medicine in Germany and all of the EU. He has written dozens of peer reviewed papers and recently completed the second edition of his text; Toxicology and Risk Assessment: A comprehensive Introduction. Dr Greim has served on the Scientific Committee of the European Center for Ecotoxicology and Toxicology of Chemicals (ECETOC) for the past 20 years and was chairman of the committee to set occupational exposure limits (MAK) for Germany for nearly 25 years.

Len Levy, PhD (UK) is a professor with the Institute of Environment and Health at the University of Cranfield (UK) for almost 25 years. He was head of Toxicology and Risk Assessment at the UK Medical Research Council's Institute for Env and Health based at the Univ of Leicester. Dr. Levy has focused his career on the study of occupational hazards with an emphasis on cancer. He was also a member of SCOEL (EU Scientific Com on Occupational Exposure Limts) for many years and has served on 12 committees at the International Agency for Research on Cancer (IARC).