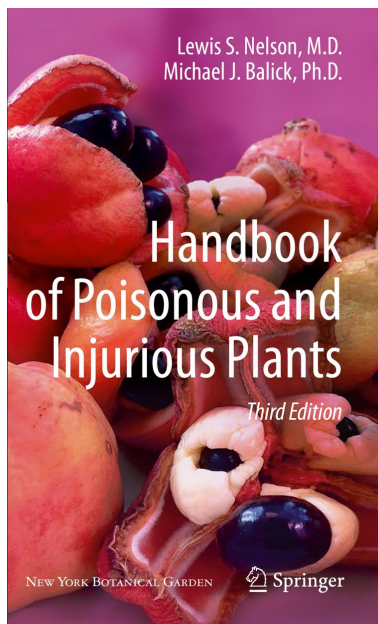


# NYBG

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**New York Botanical Garden Scientist Co-Authors New Edition of a Comprehensive and Richly Illustrated Guide to Toxic Plants, Including Symptoms and Treatments**

***Handbook of Poisonous and Injurious Plants, Third Edition***, Published by NYBG and Springer, Is Now Available in Hardcover and Digital Formats



**Bronx, NY**—In time for summer activities such as hiking and gardening that can increase the potential for exposure to a wide range of harmful plants, the updated edition of a comprehensive and richly illustrated guide to toxic plants co-authored by a New York Botanical Garden (NYBG) scientist is now available in hardcover or as an e-book. Published by Springer and NYBG, ***Handbook of Poisonous and Injurious Plants, Third Edition*** was written by Lewis S. Nelson, M.D., and Michael J. Balick, Ph.D., Vice President for Botanical Science, Director of the Institute of Economic Botany, and Senior Philecology Curator at NYBG.

The *Handbook* covers thousands of plants that can lead to adverse reactions upon exposure, describing the biochemical effects of plant toxins on the human body, symptoms of poisoning or other harmful effects, and specific treatments for exposure, if available. This exhaustively researched resource incorporates not only scientifically rigorous botanical information but also the latest insights from the pharmacological and medical literature.

Designed to assist a clinician in the initial response to the needs of a child or adult exposed to a poisonous or injurious plant, the *Handbook* is also for those who are interested in knowing more about the chemical properties of the plants they grow and enjoy in their environment, filling a botanical and horticultural niche that goes beyond a plant's beautiful physical appearance. Plants contain many useful chemicals that humans have used for millennia as botanical curatives. This book will help the reader understand the fine balance between a medication and a poison, why plants contain these natural substances, and their impact on the human body.

With its thorough references and more than 150 full-color photos of potentially toxic and injurious plants inside and outside the home, the *Handbook* is useful for identifying and addressing concerns about cultivated species and those found in the wild. It will be of interest to botanists, horticulturists, clinicians, and naturalists as well as hikers, gardeners, and anyone who simply enjoys the wonders of nature and the great outdoors.

### **About the Authors**

**Lewis S. Nelson, M.D.** is Professor and Chair of the Department of Emergency Medicine and Director of the Division of Medical Toxicology at Rutgers New Jersey Medical School in Newark, New Jersey. He is a member of the Board of Directors of the American Board of Emergency Medicine and a Past-President of the American College of Medical Toxicology. In addition to his clinical work in the Emergency Department at University Hospital in Newark, he is a senior consultant to the New Jersey Poison Information & Education System on human poisoning. He is the senior editor of *Goldfrank's Toxicologic Emergencies*, currently in its 11th edition. The focus of his research is the adverse consequences of opioids used either for pain relief or for abuse, with an emphasis on developing systems for prevention and treatment.

**Michael J. Balick, Ph.D.** is Vice President for Botanical Science, Director of the Institute of Economic Botany, and Senior Philecology Curator at The New York Botanical Garden. For more than four decades, he has studied the relationship between plants, people and culture, the field known as ethnobotany, and floristics, the study of botanical diversity within a specific region. His research has included studies in the Amazon Valley, Central and South America, the Middle East, Southeast Asia and Pacific Islands in Micronesia and Melanesia. He currently holds adjunct teaching or research appointments at City University of New York, Columbia University, Fordham University, Harvard University, the Institute of Ethnomedicine, and the National Tropical Botanical Garden. He is a member of the Board of Trustees of the American Botanical Council and Past-President of the Society for Economic Botany.

**Ordering Information:** *Handbook of Poisonous and Injurious Plants, Third Edition*, is available through Springer (\$59.99, hardcover; \$49.99, e-book). To order, go to [springer.com](http://springer.com) or, in the Americas, call 1-800-SPRINGER.

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The New York Botanical Garden is a museum of plants, an educational institution, and a scientific research organization. Founded in 1891, the Botanical Garden is one of the world's preeminent centers for studying plants at all levels, from the whole organism down to its DNA. Garden scientists conduct fundamental research on plants and fungi globally, as well as on the many relationships between plants and people. A National Historic Landmark, the Garden's 250-acre site is one of the greatest botanical gardens in the world and the largest in any city in the United States, distinguished by the beauty of its diverse landscape and extensive collections and gardens, as well as by the scope and excellence of its programs in horticulture, education, and plant research and conservation. Learn more: [nybg.org](http://nybg.org)

The New York Botanical Garden, 2900 Southern Boulevard, Bronx, New York 10458

The New York Botanical Garden is located on property owned in full by the City of New York, and its operation is made possible in part by public funds provided through the New York City Department of Cultural Affairs. A portion of the Garden's general operating funds is provided by The New York City Council and The New York State Office of Parks, Recreation and Historic Preservation. The Bronx Borough President and Bronx elected representatives in the City Council and State Legislature provide leadership funding.

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