

Cytotoxicity Of Southeast Asian Snake Venoms Scielo

Now in its 7th edition, Auerbach’s Wilderness Medicine continues to help you quickly and decisively manage medical emergencies encountered in any wilderness or other austere setting! World-renowned authority Dr. Paul Auerbach and 2 new associate editors have assembled a team of experts to offer proven, practical, visual guidance for effectively diagnosing and treating the full range of issues that can occur in situations where time and resources are scarce. This indispensable resource equips physicians, nurses, advanced practice providers, first responders, and rescuers with the essential knowledge and skills to effectively address and prevent injuries and illnesses – no matter where they happen! Face any medical challenge in the wilderness with expert guidance from hundreds of outstanding world experts edited by Dr. Auerbach and 2 new associate editors, Drs.Tracy Cushing and N. Stuart Harris. New and expanded chapters with hundreds of new photos and illustrative drawings help increase your visual understanding of the material. Acquire the knowledge and skills you need with revised chapters providing expanded discussions of high-altitude medicine, improvisation, technical rescue, telemedicine, ultrasound, and wilderness medicine education. Ten new chapters cover Acute High-Altitude Medicine and Pathophysiology; High Altitude and Pre-Existing Medical Conditions; Cycles, Snowshoibles, and other Wilderness Conveyances;Medical Wilderness Adventure Races (MedWAR); Canyonering and Canyon Medicine; Evidence-Based Wilderness Medicine; National Park Service Medicine; Genomics and Personalized Wilderness Medicine; Forestry; and Earth Sciences.

"Building on the previous edition with contributions from internationally renowned experts this book provides a fully comprehensive resource for managing the post emergency/treatment stage of acute poisoning. Chapters incorporate evidence-based paradigms with up-to-date citations from the original medical literature. Topic areas covered include: diagnosis and management of the critically poisoned patient, including pediatric patients and poisoning in pregnancy; toxic syndromes including hepatic and pulmonary syndromes as well as poisonings from medications, drugs of abuse, chemical and biological agents. This book is an essential resource for Clinical Toxicologists, Intensivists and Emergency Medicine specialists in training and in practice." - Prové de l'editor.

The second edition of the Encyclopedia of Toxicology continues its comprehensive survey of toxicology. This new edition continues to present entries devoted to key concepts and specific chemicals. There has been an increase in entries devoted to international organizations and well-known toxic-related incidents such as Love Canal and Chernobyl. Along with the traditional scientifically based entries, new articles focus on the societal implications of toxicological knowledge including environmental crimes, chemical and biological warfare in ancient times, and a history of the U.S. environmental movement. With more than 1150 entries, this second edition has been expanded in length, breadth and depth, and provides an extensive overview of the many facets of toxicology. Also available online via ScienceDirect – featuring extensive browsing, searching, and internal cross-referencing between articles in the work, plus dynamic linking to journal articles and abstract databases, making navigation flexible and easy. For more information, pricing options and availability visit www.info.sciencedirect.com. *Second edition has been expanded to 4 volumes *Encyclopedic A-Z arrangement of chemicals and all core areas of the science of toxicology *Covers related areas such as organizations, toxic accidents, historical and social issues, and laws *New topics covered include computational toxicology, cancer potency factors, chemical accidents, non-lethal chemical weapons, drugs of abuse, and consumer products and many more!

Plants defend themselves against predators, including man. There are obvious defenses such as stinging nettle-like strategies, and burning or blistering latex resins. Others use different methods to incapacitate. They include gastrointestinal distress (vomiting or purgation), blindness, neurological disability, or even asphyxia. This clearly illustrates the ingenuity of plant chemistry which, while daunting, has lead to some rather extraordinary discoveries. The poisonous potential of numerous plants coincides with a medicinal effect that can not be ignored. What is the difference between a poisonous, edible or therapeutic effect?

Venoms and Toxins: At the Crossroads of Basic, Applied and Clinical Immunology

Emergency

Manson's Tropical Diseases

Venom and Toxin as Targeted Therapy

Auerbach's Wilderness Medicine E-Book

Critical Care Toxicology

Textbook for EMT training. The DVD walks students through the skills necessary to pass the EMT-Basic practical exam.

Interest and information in the field of medical toxicology has grown rapidly, but there has never been a concise, authoritative reference focused on the subjects of natural substances, chemical and physical toxins, drugs of abuse, and pharmaceutical overdoses. Medical Toxicology of Natural Substances finally gives you an easily accessible resource for vital toxicological information on foods, plants, and animals in key areas in the natural environment.

Targeted therapy has developed significantly in the last one and half decades, prescribing specific medications for treatment of particular diseases, such as cancer, diabetes, and heart disease. One of the most exciting recent developments in targeted therapies was the isolation of disease-specific molecules from natural resources, such as animal venoms and plant metabolites/toxins, for use as templates for new drug motif designs. In addition, the study of venom proteins/peptides and toxins naturally targeted/mammalian receptors and demonstrated high specificity and selectivity towards defined ion channels of cell membranes. Research has also focused instead on receptors. The focus of this Special Issue of Toxins addressed the most recent advances using animal venoms, such as frog secretions, bee/ant venoms and plant/fungi toxins, as medicinal therapy. Recent advances in venom/toxin/immunotoxins for targeted cancer therapy and immunotherapy, along with using novel disease-specific venom-based protein/peptide/toxin and currently available FDA-approved drugs for combination/treatments will be discussed. Finally, we included an overview of select promising toad/snake venom-based peptides/toxins potentially able to address the forthcoming challenges in this field. Both research and review articles proposing novelties or overviews, respectively, were published in this Special Issue after rigorous evaluation and revision by expert peer reviewers.

Africa is a true hotspot for snake diversity, with several hundred species. Unfortunately, a scared snake or one that is trodden on may bite, and some species have venom that can prove fatal. The Dangerous Snakes of Africa is an indispensable guide to these reptiles. It covers all 137 dangerous snake species in Africa, along with another 70 species that are easily confused with them.

All are described, with each account looking in detail at their identification, habitat and distribution, behaviour and venom, as well as how to treat bites and a selection of photographs, accompanied by an accurate range map. Introductory sections cover the major snake groups, their venom characteristics, how to avoid snake bites and first-aid advice. This comprehensive book is an essential tool for all naturalists, conservationists, educators, field workers and medical personnel throughout Africa.

Textbook of Paediatric Emergency Medicine E-Book

Expert Consult Premium Edition - Enhanced Online Features

Biology, Medicine, and Surgery of Elephants

Clinical Toxicology in Asia Pacific and Africa

The Book of Snakes

The Southeast Asian Journal of Tropical Medicine and Public Health

Although many view toxicology as a new science, since man discovered the medicinal properties of plants, it has been known that such materials could produce toxic effects. Recently, developments in analytical chemistry have advanced and specialized the field of toxicology. The analytical chemical approach has altered our thinking. We have become able to recognize smaller and smaller quantities of more and more chemicals. At times it would appear that this analytical approach has blunted our perception of the biological aspects of toxicology. In reality, newer developments have afforded broader insights and a wider range of concerns that are emphasized in this state-of-the-art text. Such concerns include the study of birth defects and chemical effects on the immune system; the worldwide use of pesticides, rodenticides, herbicides, and fungicides for increasing food production and permitting protection from various insects and animals that has resulted in many instances in human population poisonings; studies on the neurotoxicity and tolerance to the organophosphates in an effort to understand these important chemicals and develop better modalities to counter their adverse effects; and target organ toxicity involving the liver, kidney, and lungs. This book considers not only the student and clinician, but also the active practitioner of toxicological investigations. A broad but focused view of toxicology is presented by experts in the field, with particular emphasis on specific target organs and the current state-of-the-art concerns already mentioned, rather than on subjects such as carcinogenesis and mutagenesis that are thoroughly covered in numerous other texts. This unique text will serve to narrow the gaps in the existing knowledge base, gaps that must continue to be filled by ongoing and future research, thus expanding our collective knowledge of biological aspects of toxicology.

Come along—let’s take a voyage through the boneyard.

Elephants are possibly the most well-known members of the animal kingdom. The enormous size, unusual anatomy, and longevity of elephants have fascinated humans for millennia. Biology, Medicine, and Surgery of Elephants serves as a comprehensive text on elephant medicine and surgery. Based on the expertise of 36 scientists and clinical veterinarians, this volume covers biology, husbandry, veterinary medicine and surgery of the elephant as known today. Written by the foremost experts in the field Comprehensively covers both Asian and African elephants Complete with taxonomy, behavioral, geographical and systemic information Well-illustrated and organized for easy reference

This book offers a comprehensive review of the biology of snakes, focusing on Italian species. The snakes of Italy belong to the two families Colubridae and Viperidae, and for each species the systematic classification and chorology including distribution maps are presented. Furthermore, readers will learn how to carry out field studies, how to handle snakes and how to photograph them. The book concludes with a chapter on the iconography of historical Italian snakes and their importance in popular science, and one on myths and legends. This SpringerBriefs volume will appeal to herpetologists and technical staff. The section on iconography may also be of interest to museum staff.

Immunotherapeutics

The Skeleton Revealed

Venomous Reptiles and Their Toxins

Care and Transportation of the Sick and Injured

The NBT-Heart Book

The Dangerous Snakes of Africa

A decade after publication of the first edition, Handbook of Venoms and Toxins of Reptiles responds to extensive changes in the field of toxinology to endure as the most comprehensive review of reptile venoms on the market. The six sections of this new edition, which has nearly doubled in size, complement the handbook by presenting current information from many of the leading researchers and physicians in toxinology with topics ranging from functional morphology, evolution and ecology to crystallography, -omics technologies, drug discovery and more. With the recent recognition by the World Health Organization of snakebite as a neglected tropical disease, the section on snakebite has been expanded and includes several chapters dealing with the problem broadly and with new technologies and the promises these new approaches may hold to counter the deleterious effects of envenomation. This greatly expanded handbook offers a unique resource for biologists, biochemists, toxicologists, physicians, clinicians, and epidemiologists, as well as informed laypersons interested in the biology of venomous reptiles, the biochemistry and molecular biology of venoms, and the effects and treatment of human envenomation.

Neglected Tropical Diseases and other Infectious Diseases Affecting the Heart provides a comprehensive and systematic review on the literature surrounding Neglected Tropical Diseases and infectious diseases and how they affect the heart. Written by Emerging Leaders of the Interamerican Society of Cardiology (SIAC), the book includes the latest research findings, covering the cardiac involvement of a range of viral, bacterial and parasitic diseases, including COVID19, HIV, Zika, Lyme Disease, and more. Chapters cover epidemiology, the physiopathology of cardiovascular involvement, symptoms, diagnosis, and treatment options for each disease, making the book suitable to researchers, scientists, clinicians and physicians in the field. Covers the cardiac involvement of a range of viral, bacterial and parasitic diseases, including COVID19, HIV, Influenza, Lyme Disease, and more Explains the diagnosis and management of cardiovascular ailments in neglected tropical diseases Written in an easy to read manner with figures, illustrations and tables to aid understanding Contains chapter formatted with an Introduction, Epidemiology, Physiopathology of Cardiovascular (CV) involvement, Symptoms, Diagnosis, Treatment, Discussion and Conclusions

' This invaluable book provides a readable, introductory text to the fascinating subject of drug discovery from the medicinal plants of Asia-Pacific. A carefully designed layout presents more than 400 medicinal plants, and includes description of compound structure, molecular properties, pharmacology and clinical uses. With its broad scope and extensive compound listings, this is a premier reference source for natural products research using a pharmacological approach. Starting from a collection of plants in the rainforests of Asia-Pacific, Wiart shows how the present state of knowledge fosters a whole new way of looking at the discovery of drugs from medicinal plants. Wiart uses his approach to deal with a remarkable array of fundamental problems: from the phylogeny of plants, to the molecular basis of activity, limitations of phytochemistry, and the possibility of a truly fundamental theory of ethnopharmacology. Written with exceptional clarity, and illustrated by more than 300 original pictures and 400 chemical structures, this seminal book allows scientists and non-scientists alike to participate in what promises to be a major intellectual revolution. Contents:Class MAGNOLIOPSIDA Cronquist, Takhtajan & Zimmermann, 1966, the Dicotyledons:Subclass MAGNOLIIDA Takhtajan 1966Subclass HAMAMELIDAE Takhtajan 1966Subclass CARYOPHYLLIDAE Takhtajan 1966Subclass DILLENIIDAE Takhtajan 1966Subclass ROSIDAE Takhtajan 1966Subclass ASTERIDAE Takhtajan 1966Class LILLIOPSIDA Cronquist, Takhtajan & Zimmermann 1966, the Monocotyledons:Subclass ARECIDAE Takhtajan 1966Subclass COMMELINIDAE Takhtajan 1966Subclass ZINGIBERIDAE Cronquist 1978Subclass LILLIDAE Takhtajan 1966 Readership: Students, academics and researchers in pharmacology, toxicology, biotechnology, natural product research, medicinal chemistry, oncology, microbiology, alternative medicine and food sciences; pharmaceutical companies. Keywords:Drug Discovery;Medicinal Plants;Asia-Pacific;EthnopharmacologyKey Features:This book offers, for the very first time, a systematic and a comprehensive coverage of medicinal plants of the Asia-Pacific, one of the richest regions in biodiversityIt is a premier source of reference on traditional medicinal herbs and development of drugs from natural resourcesIt provides a detailed and fascinating ethnopharmacological account of over 400 plant species, illustrated with more than 300 original picture, 400 chemical structures, and contains thousands of referencesReviews: "Christophe Wiart has produced a magnificent book covering all pertinent aspects of the potential medicinal plants of the Asia-Pacific Region. Plants (dicots and monocots) are organized by class, subclass, order, family, genus and species. More than 315 species of plants are included in this tome. Botanical descriptions are first given for each family with a general statement of the potential pharmaceutical interest for the family, followed by discussions of the physical characteristics of each species, uses in the region and pharmaceutical interests in the species; the pharmacology, including potential toxicity, of extracts of each plant and an indication of the major pharmacologically active principles, with their structures are mentioned. Photographs and/or line drawings are included for each species... I have never seen such a book that has been this carefully prepared, so botanists, chemists, pharmacognosists, and pharmacologists having any interest in the medicinal or potentially medicinal higher plants of the Asia-Pacific Region, will be satisfied in the book content. The book will be found useful by academic, industrial and government scientists having any interest in the potential of plants as a source of new drugs."

Professor Norman Farnsworth University of Illinois at Chicago, USA "It will be an invaluable resource for doctors, pharmacists, plant scientists, pharmaceutical companies and conservationists in the region, and to all who are interested in medicinal plants." Professor Nina L Etkin University of Hawaii, USA "Medicinal plants of Asia-Pacific: Drugs for the Future?" offers researchers a strong foundation from which to advance the field of ethnopharmacology." Professor Elizabeth M Williamson University of Reading, UK "

The continuous and rapid improvement of tourism around the whole world and the increasing emigration of peoples from the developing countries to the "old continents" have changed the classical image of tropical diseases, which are now seen more frequently in temperate and highly developed countries. Consequently, over 10 years after its first publication, this second edition of the pathology of tropical diseases has been restructured and expanded to reflect the recent developments and changes in diagnostic techniques. A total of 27 chapters - written by 29 reputed experts from 11 countries - cover such new aspects as technological developments in diagnosing infectious diseases, autopsies in the tropics, renal diseases, geomedicine and genetic disorders. A concentrated and up-to-date review of the field.

Toxicology

Medical Toxicology of Natural Substances

Snake Venoms

Growth, Cultural Practices, and Physiology

Wilderness Medicine E-Book

An Illustrated Tour of the Vertebrates

Snakebites are well-known medical emergencies in many parts of the world, especially in rural areas. Agricutural workers and children are most affected. The incidence of snakebite mortality is particularly high in South-East Asia. Rational use of snake anti-venom can substantially reduce mortality and morbidity due to snake bites. These guidelines are a revised and updated version of those published in 2011. The geographical coverage extends from India in the west to DPR Korea and Indonesia in the east, Nepal and Bhutan in the north, and to Sri Lanka and Indonesia in the south and south-east. Snakes inhabiting the Indonesian islands east of Wallace's line (West Papua and Maluku Islands) are part of the Australasian elapid fauna, differing from those west of this line. This publication passes on a digest of available knowledge about all clinical aspects of snake-bite to medically trained personnel, including medical doctors, nurses, dispensers and community health workers. They will provide sufficient practical information to allow medically trained personnel to assess and treat patients with snake-bites at different levels of the health service.

' This invaluable book provides a readable, introductory text to the fascinating subject of drug discovery from the medicinal plants of Asia-Pacific. A carefully designed layout presents more than 400 medicinal plants, and includes description of compound structure, molecular properties, pharmacology and clinical uses. With its broad scope and extensive compound listings, this is a premier reference source for natural products research using a pharmacological approach. Starting from a collection of plants in the rainforests of Asia-Pacific, Wiart shows how the present state of knowledge fosters a whole new way of looking at the discovery of drugs from medicinal plants. Wiart uses his approach to deal with a remarkable array of fundamental problems: from the phylogeny of plants, to the molecular basis of activity, limitations of phytochemistry, and the possibility of a truly fundamental theory of ethnopharmacology. Written with exceptional clarity, and illustrated by more than 300 original pictures and 400 chemical structures, this seminal book allows scientists and non-scientists alike to participate in what promises to be a major intellectual revolution. Contents:Class MAGNOLIOPSIDA Cronquist, Takhtajan & Zimmermann, 1966, the Dicotyledons:Subclass MAGNOLIIDA Takhtajan 1966Subclass HAMAMELIDAE Takhtajan 1966Subclass CARYOPHYLLIDAE Takhtajan 1966Subclass DILLENIIDAE Takhtajan 1966Subclass ROSIDAE Takhtajan 1966Subclass ASTERIDAE Takhtajan 1966Class LILLIOPSIDA Cronquist, Takhtajan & Zimmermann 1966, the Monocotyledons:Subclass ARECIDAE Takhtajan 1966Subclass COMMELINIDAE Takhtajan 1966Subclass ZINGIBERIDAE Cronquist 1978Subclass LILLIDAE Takhtajan 1966 Readership: Students, academics and researchers in pharmacology, toxicology, biotechnology, natural product research, medicinal chemistry, oncology, microbiology, alternative medicine and food sciences; pharmaceutical companies. Keywords:Drug Discovery;Medicinal Plants;Asia-Pacific;EthnopharmacologyKey Features:This book offers, for the very first time, a systematic and a comprehensive coverage of medicinal plants of the Asia-Pacific, one of the richest regions in biodiversityIt is a premier source of reference on traditional medicinal herbs and development of drugs from natural resourcesIt provides a detailed and fascinating ethnopharmacological account of over 400 plant species, illustrated with more than 300 original picture, 400 chemical structures, and contains thousands of referencesReviews: "Christophe Wiart has produced a magnificent book covering all pertinent aspects of the potential medicinal plants of the Asia-Pacific Region. Plants (dicots and monocots) are organized by class, subclass, order, family, genus and species. More than 315 species of plants are included in this tome. Botanical descriptions are first given for each family with a general statement of the potential pharmaceutical interest for the family, followed by discussions of the physical characteristics of each species, uses in the region and pharmaceutical interests in the species; the pharmacology, including potential toxicity, of extracts of each plant and an indication of the major pharmacologically active principles, with their structures are mentioned. Photographs and/or line drawings are included for each species... I have never seen such a book that has been this carefully prepared, so botanists, chemists, pharmacognosists, and pharmacologists having any interest in the medicinal or potentially medicinal higher plants of the Asia-Pacific Region, will be satisfied in the book content. The book will be found useful by academic, industrial and government scientists having any interest in the potential of plants as a source of new drugs."

Professor Norman Farnsworth University of Illinois at Chicago, USA "It will be an invaluable resource for doctors, pharmacists, plant scientists, pharmaceutical companies and conservationists in the region, and to all who are interested in medicinal plants." Professor Nina L Etkin University of Hawaii, USA "Medicinal plants of Asia-Pacific: Drugs for the Future?" offers researchers a strong foundation from which to advance the field of ethnopharmacology." Professor Elizabeth M Williamson University of Reading, UK "

The continuous and rapid improvement of tourism around the whole world and the increasing emigration of peoples from the developing countries to the "old continents" have changed the classical image of tropical diseases, which are now seen more frequently in temperate and highly developed countries. Consequently, over 10 years after its first publication, this second edition of the pathology of tropical diseases has been restructured and expanded to reflect the recent developments and changes in diagnostic techniques. A total of 27 chapters - written by 29 reputed experts from 11 countries - cover such new aspects as technological developments in diagnosing infectious diseases, autopsies in the tropics, renal diseases, geomedicine and genetic disorders. A concentrated and up-to-date review of the field.

Toxicology

Medical Toxicology of Natural Substances

Snake Venoms

Growth, Cultural Practices, and Physiology

Wilderness Medicine E-Book

An Illustrated Tour of the Vertebrates

Snakebites are well-known medical emergencies in many parts of the world, especially in rural areas. Agricutural workers and children are most affected. The incidence of snakebite mortality is particularly high in South-East Asia. Rational use of snake anti-venom can substantially reduce mortality and morbidity due to snake bites. These guidelines are a revised and updated version of those published in 2011. The geographical coverage extends from India in the west to DPR Korea and Indonesia in the east, Nepal and Bhutan in the north, and to Sri Lanka and Indonesia in the south and south-east. Snakes inhabiting the Indonesian islands east of Wallace's line (West Papua and Maluku Islands) are part of the Australasian elapid fauna, differing from those west of this line. This publication passes on a digest of available knowledge about all clinical aspects of snake-bite to medically trained personnel, including medical doctors, nurses, dispensers and community health workers. They will provide sufficient practical information to allow medically trained personnel to assess and treat patients with snake-bites at different levels of the health service.

' This invaluable book provides a readable, introductory text to the fascinating subject of drug discovery from the medicinal plants of Asia-Pacific. A carefully designed layout presents more than 400 medicinal plants, and includes description of compound structure, molecular properties, pharmacology and clinical uses. With its broad scope and extensive compound listings, this is a premier reference source for natural products research using a pharmacological approach. Starting from a collection of plants in the rainforests of Asia-Pacific, Wiart shows how the present state of knowledge fosters a whole new way of looking at the discovery of drugs from medicinal plants. Wiart uses his approach to deal with a remarkable array of fundamental problems: from the phylogeny of plants, to the molecular basis of activity, limitations of phytochemistry, and the possibility of a truly fundamental theory of ethnopharmacology. Written with exceptional clarity, and illustrated by more than 300 original pictures and 400 chemical structures, this seminal book allows scientists and non-scientists alike to participate in what promises to be a major intellectual revolution. Contents:Class MAGNOLIOPSIDA Cronquist, Takhtajan & Zimmermann, 1966, the Dicotyledons:Subclass MAGNOLIIDA Takhtajan 1966Subclass HAMAMELIDAE Takhtajan 1966Subclass CARYOPHYLLIDAE Takhtajan 1966Subclass DILLENIIDAE Takhtajan 1966Subclass ROSIDAE Takhtajan 1966Subclass ASTERIDAE Takhtajan 1966Class LILLIOPSIDA Cronquist, Takhtajan & Zimmermann 1966, the Monocotyledons:Subclass ARECIDAE Takhtajan 1966Subclass COMMELINIDAE Takhtajan 1966Subclass ZINGIBERIDAE Cronquist 1978Subclass LILLIDAE Takhtajan 1966 Readership: Students, academics and researchers in pharmacology, toxicology, biotechnology, natural product research, medicinal chemistry, oncology, microbiology, alternative medicine and food sciences; pharmaceutical companies. Keywords:Drug Discovery;Medicinal Plants;Asia-Pacific;EthnopharmacologyKey Features:This book offers, for the very first time, a systematic and a comprehensive coverage of medicinal plants of the Asia-Pacific, one of the richest regions in biodiversityIt is a premier source of reference on traditional medicinal herbs and development of drugs from natural resourcesIt provides a detailed and fascinating ethnopharmacological account of over 400 plant species, illustrated with more than 300 original picture, 400 chemical structures, and contains thousands of referencesReviews: "Christophe Wiart has produced a magnificent book covering all pertinent aspects of the potential medicinal plants of the Asia-Pacific Region. Plants (dicots and monocots) are organized by class, subclass, order, family, genus and species. More than 315 species of plants are included in this tome. Botanical descriptions are first given for each family with a general statement of the potential pharmaceutical interest for the family, followed by discussions of the physical characteristics of each species, uses in the region and pharmaceutical interests in the species; the pharmacology, including potential toxicity, of extracts of each plant and an indication of the major pharmacologically active principles, with their structures are mentioned. Photographs and/or line drawings are included for each species... I have never seen such a book that has been this carefully prepared, so botanists, chemists, pharmacognosists, and pharmacologists having any interest in the medicinal or potentially medicinal higher plants of the Asia-Pacific Region, will be satisfied in the book content. The book will be found useful by academic, industrial and government scientists having any interest in the potential of plants as a source of new drugs."

Professor Norman Farnsworth University of Illinois at Chicago, USA "It will be an invaluable resource for doctors, pharmacists, plant scientists, pharmaceutical companies and conservationists in the region, and to all who are interested in medicinal plants." Professor Nina L Etkin University of Hawaii, USA "Medicinal plants of Asia-Pacific: Drugs for the Future?" offers researchers a strong foundation from which to advance the field of ethnopharmacology." Professor Elizabeth M Williamson University of Reading, UK "

The continuous and rapid improvement of tourism around the whole world and the increasing emigration of peoples from the developing countries to the "old continents" have changed the classical image of tropical diseases, which are now seen more frequently in temperate and highly developed countries. Consequently, over 10 years after its first publication, this second edition of the pathology of tropical diseases has been restructured and expanded to reflect the recent developments and changes in diagnostic techniques. A total of 27 chapters - written by 29 reputed experts from 11 countries - cover such new aspects as technological developments in diagnosing infectious diseases, autopsies in the tropics, renal diseases, geomedicine and genetic disorders. A concentrated and up-to-date review of the field.

Toxicology

Medical Toxicology of Natural Substances

Snake Venoms

Growth, Cultural Practices, and Physiology

Wilderness Medicine E-Book

An Illustrated Tour of the Vertebrates

Snakebites are well-known medical emergencies in many parts of the world, especially in rural areas. Agricutural workers and children are most affected. The incidence of snakebite mortality is particularly high in South-East Asia. Rational use of snake anti-venom can substantially reduce mortality and morbidity due to snake bites. These guidelines are a revised and updated version of those published in 2011. The geographical coverage extends from India in the west to DPR Korea and Indonesia in the east, Nepal and Bhutan in the north, and to Sri Lanka and Indonesia in the south and south-east. Snakes inhabiting the Indonesian islands east of Wallace's line (West Papua and Maluku Islands) are part of the Australasian elapid fauna, differing from those west of this line. This publication passes on a digest of available knowledge about all clinical aspects of snake-bite to medically trained personnel, including medical doctors, nurses, dispensers and community health workers. They will provide sufficient practical information to allow medically trained personnel to assess and treat patients with snake-bites at different levels of the health service.

' This invaluable book provides a readable, introductory text to the fascinating subject of drug discovery from the medicinal plants of Asia-Pacific. A carefully designed layout presents more than 400 medicinal plants, and includes description of compound structure, molecular properties, pharmacology and clinical uses. With its broad scope and extensive compound listings, this is a premier reference source for natural products research using a pharmacological approach. Starting from a collection of plants in the rainforests of Asia-Pacific, Wiart shows how the present state of knowledge fosters a whole new way of looking at the discovery of drugs from medicinal plants. Wiart uses his approach to deal with a remarkable array of fundamental problems: from the phylogeny of plants, to the molecular basis of activity, limitations of phytochemistry, and the possibility of a truly fundamental theory of ethnopharmacology. Written with exceptional clarity, and illustrated by more than 300 original pictures and 400 chemical structures, this seminal book allows scientists and non-scientists alike to participate in what promises to be a major intellectual revolution. Contents:Class MAGNOLIOPSIDA Cronquist, Takhtajan & Zimmermann, 1966, the Dicotyledons:Subclass MAGNOLIIDA Takhtajan 1966Subclass HAMAMELIDAE Takhtajan 1966Subclass CARYOPHYLLIDAE Takhtajan 1966Subclass DILLENIIDAE Takhtajan 1966Subclass ROSIDAE Takhtajan 1966Subclass ASTERIDAE Takhtajan 1966Class LILLIOPSIDA Cronquist, Takhtajan & Zimmermann 1966, the Monocotyledons:Subclass ARECIDAE Takhtajan 1966Subclass COMMELINIDAE Takhtajan 1966Subclass ZINGIBERIDAE Cronquist 1978Subclass LILLIDAE Takhtajan 1966 Readership: Students, academics and researchers in pharmacology, toxicology, biotechnology, natural product research, medicinal chemistry, oncology, microbiology, alternative medicine and food sciences; pharmaceutical companies. Keywords:Drug Discovery;Medicinal Plants;Asia-Pacific;EthnopharmacologyKey Features:This book offers, for the very first time, a systematic and a comprehensive coverage of medicinal plants of the Asia-Pacific, one of the richest regions in biodiversityIt is a premier source of reference on traditional medicinal herbs and development of drugs from natural resourcesIt provides a detailed and fascinating ethnopharmacological account of over 400 plant species, illustrated with more than 300 original picture, 400 chemical structures, and contains thousands of referencesReviews: "Christophe Wiart has produced a magnificent book covering all pertinent aspects of the potential medicinal plants of the Asia-Pacific Region. Plants (dicots and monocots) are organized by class, subclass, order, family, genus and species. More than 315 species of plants are included in this tome. Botanical descriptions are first given for each family with a general statement of the potential pharmaceutical interest for the family, followed by discussions of the physical characteristics of each species, uses in the region and pharmaceutical interests in the species; the pharmacology, including potential toxicity, of extracts of each plant and an indication of the major pharmacologically active principles, with their structures are mentioned. Photographs and/or line drawings are included for each species... I have never seen such a book that has been this carefully prepared, so botanists, chemists, pharmacognosists, and pharmacologists having any interest in the medicinal or potentially medicinal higher plants of the Asia-Pacific Region, will be satisfied in the book content. The book will be found useful by academic, industrial and government scientists having any interest in the potential of plants as a source of new drugs."

Professor Norman Farnsworth University of Illinois at Chicago, USA "It will be an invaluable resource for doctors, pharmacists, plant scientists, pharmaceutical companies and conservationists in the region, and to all who are interested in medicinal plants." Professor Nina L Etkin University of Hawaii, USA "Medicinal plants of Asia-Pacific: Drugs for the Future?" offers researchers a strong foundation from which to advance the field of ethnopharmacology." Professor Elizabeth M Williamson University of Reading, UK "

The continuous and rapid improvement of tourism around the whole world and the increasing emigration of peoples from the developing countries to the "old continents" have changed the classical image of tropical diseases, which are now seen more frequently in temperate and highly developed countries. Consequently, over 10 years after its first publication, this second edition of the pathology of tropical diseases has been restructured and expanded to reflect the recent developments and changes in diagnostic techniques. A total of 27 chapters - written by 29 reputed experts from 11 countries - cover such new aspects as technological developments in diagnosing infectious diseases, autopsies in the tropics, renal diseases, geomedicine and genetic disorders. A concentrated and up-to-date review of the field.

Toxicology

Medical Toxicology of Natural Substances

Snake Venoms

Growth, Cultural Practices, and Physiology

Wilderness Medicine E-Book

An Illustrated Tour of the Vertebrates

Snakebites are well-known medical emergencies in many parts of the world, especially in rural areas. Agricutural workers and children are most affected. The incidence of snakebite mortality is particularly high in South-East Asia. Rational use of snake anti-venom can substantially reduce mortality and morbidity due to snake bites. These guidelines are a revised and updated version of those published in 2011. The geographical coverage extends from India in the west to DPR Korea and Indonesia in the east, Nepal and Bhutan in the north, and to Sri Lanka and Indonesia in the south and south-east. Snakes inhabiting the Indonesian islands east of Wallace's line (West Papua and Maluku Islands) are part of the Australasian elapid fauna, differing from those west of this line. This publication passes on a digest of available knowledge about all clinical aspects of snake-bite to medically trained personnel, including medical doctors, nurses, dispensers and community health workers. They will provide sufficient practical information to allow medically trained personnel to assess and treat patients with snake-bites at different levels of the health service.

' This invaluable book provides a readable, introductory text to the fascinating subject of drug discovery from the medicinal plants of Asia-Pacific. A carefully designed layout presents more than 400 medicinal plants, and includes description of compound structure, molecular properties, pharmacology and clinical uses. With its broad scope and extensive compound listings, this is a premier reference source for natural products research using a pharmacological approach. Starting from a collection of plants in the rainforests of Asia-Pacific, Wiart shows how the present state of knowledge fosters a whole new way of looking at the discovery of drugs from medicinal plants. Wiart uses his approach to deal with a remarkable array of fundamental problems: from the phylogeny of plants, to the molecular basis of activity, limitations of phytochemistry, and the possibility of a truly fundamental theory of ethnopharmacology. Written with exceptional clarity, and illustrated by more than 300 original pictures and 400 chemical structures, this seminal book allows scientists and non-scientists alike to participate in what promises to be a major intellectual revolution. Contents:Class MAGNOLIOPSIDA Cronquist, Takhtajan & Zimmermann, 1966, the Dicotyledons:Subclass MAGNOLIIDA Takhtajan 1966Subclass HAMAMELIDAE Takhtajan 1966Subclass CARYOPHYLLIDAE Takhtajan 1966Subclass DILLENIIDAE Takhtajan 1966Subclass ROSIDAE Takhtajan 1966Subclass ASTERIDAE Takhtajan 1966Class LILLIOPSIDA Cronquist, Takhtajan & Zimmermann 1966, the Monocotyledons:Subclass ARECIDAE Takhtajan 1966Subclass COMMELINIDAE Takhtajan 1966Subclass ZINGIBERIDAE Cronquist 1978Subclass LILLIDAE Takhtajan 1966 Readership: Students, academics and researchers in pharmacology, toxicology, biotechnology, natural product research, medicinal chemistry, oncology, microbiology, alternative medicine and food sciences; pharmaceutical companies. Keywords:Drug Discovery;Medicinal Plants;Asia-Pacific;EthnopharmacologyKey Features:This book offers, for the very first time, a systematic and a comprehensive coverage of medicinal plants of the Asia-Pacific, one of the richest regions in biodiversityIt is a premier source of reference on traditional medicinal herbs and development of drugs from natural resourcesIt provides a detailed and fascinating ethnopharmacological account of over 400 plant species, illustrated with more than 300 original picture, 400 chemical structures, and contains thousands of referencesReviews: "Christophe Wiart has produced a magnificent book covering all pertinent aspects of the potential medicinal plants of the Asia-Pacific Region. Plants (dicots and monocots) are organized by class, subclass, order, family, genus and species. More than 315 species of plants are included in this tome. Botanical descriptions are first given for each family with a general statement of the potential pharmaceutical interest for the family, followed by discussions of the physical characteristics of each species, uses in the region and pharmaceutical interests in the species; the pharmacology, including potential toxicity, of extracts of each plant and an indication of the major pharmacologically active principles, with their structures are mentioned. Photographs and/or line drawings are included for each species... I have never seen such a book that has been this carefully prepared, so botanists, chemists, pharmacognosists, and pharmacologists having any interest in the medicinal or potentially medicinal higher plants of the Asia-Pacific Region, will be satisfied in the book content. The book will be found useful by academic, industrial and government scientists having any interest in the potential of plants as a source of new drugs."

Professor Norman Farnsworth University of Illinois at Chicago, USA "It will be an invaluable resource for doctors, pharmacists, plant scientists, pharmaceutical companies and conservationists in the region, and to all who are interested in medicinal plants." Professor Nina L Etkin University of Hawaii, USA "Medicinal plants of Asia-Pacific: Drugs for the Future?" offers researchers a strong foundation from which to advance the field of ethnopharmacology." Professor Elizabeth M Williamson University of Reading, UK "

The continuous and rapid improvement of tourism around the whole world and the increasing emigration of peoples from the developing countries to the "old continents" have changed the classical image of tropical diseases, which are now seen more frequently in temperate and highly developed countries. Consequently, over 10 years after its first publication, this second edition of the pathology of tropical diseases has been restructured and expanded to reflect the recent developments and changes in diagnostic techniques. A total of 27 chapters - written by 29 reputed experts from 11 countries - cover such new aspects as technological developments in diagnosing infectious diseases, autopsies in the tropics, renal diseases, geomedicine and genetic disorders. A concentrated and up-to-date review of the field.

Toxicology

Medical Toxicology of Natural Substances

Snake Venoms

Growth, Cultural Practices, and Physiology

Wilderness Medicine E-Book

An Illustrated Tour of the Vertebrates

Snakebites are well-known medical emergencies in many parts of the world, especially in rural areas. Agricutural workers and children are most affected. The incidence of snakebite mortality is particularly high in South-East Asia. Rational use of snake anti-venom can substantially reduce mortality and morbidity due to snake bites. These guidelines are a revised and updated version of those published in 2011. The geographical coverage extends from India in the west to DPR Korea and Indonesia in the east, Nepal and Bhutan in the north, and to Sri Lanka and Indonesia in the south and south-east. Snakes inhabiting the Indonesian islands east of Wallace's line (West Papua and Maluku Islands) are part of the Australasian elapid fauna, differing from those west of this line. This publication passes on a digest of available knowledge about all clinical aspects of snake-bite to medically trained personnel, including medical doctors, nurses, dispensers and community health workers. They will provide sufficient practical information to allow medically trained personnel to assess and treat patients with snake-bites at different levels of the health service.

<