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BIOLOGY

McGraw-Hill Science, Engineering & Mathematics Take a New Look at Raven! "BIOLOGY" is an authoritative majors textbook focusing on evolution as a unifying theme. In revising the text, McGraw-Hill consulted with numerous users, noted experts and professors in the field. "Biology" is distinguished from other texts by its strong emphasis on natural selection and the evolutionary process that explains biodiversity. The new 8th edition continues that tradition and advances into modern biology by featuring the latest in cutting edge content reflective of the rapid advances in biology. That same modern perspective was brought into the completely new art program offering readers a dynamic, realistic, and accurate, visual program. To view a sample chapter, go to www.ravenbiology.com

BIOLOGY

"Based on the work of Peter H. Raven, President Emeritus, Missouri Botanical Garden; George Engelmann, Professor of Botany Emeritus, Washington University, George B. Johnson, Professor Emeritus of Biology, Washington University."

BIOLOGY

McGraw-Hill Education *Committed to Excellence in the Eleventh Edition. This edition continues the evolution of Raven & Johnson's Biology. The author team is committed to continually improving the text, keeping the student and learning foremost. The integrated pedagogical features expand the students' learning process and enhance their learning experience. This latest edition of the text maintains the clear, accessible, and engaging writing style of past editions with the solid framework of pedagogy that highlights an emphasis on evolution and scientific inquiry that have made this a leading textbook for students majoring in biology. This emphasis on the organizing power of evolution is combined with an integration of the importance of cellular, molecular biology and genomics to offer our readers a text that is student friendly and current. Our author team is committed to producing the best possible text for both student and faculty. The lead author, Kenneth Mason, University of Iowa, has taught majors biology at three different major public universities for more than fifteen years. Jonathan Losos, Harvard University, is at the cutting edge of evolutionary biology research, and Susan Singer, Carleton College, has been involved in science education policy issues on a national level. All three authors bring varied instructional and content expertise to this edition of Biology.*

LOOSE LEAF FOR BIOLOGY

McGraw-Hill Education *Over the course of five editions, the ways in which biology is taught have dramatically changed. We have seen a shift away from the memorization of details, which are easily forgotten, and a movement toward emphasizing core concepts and critical thinking skills. The previous edition of Biology strengthened skill development by adding two new features, called CoreSKILLS and BioTIPS (described later), which are aimed at helping students develop effective strategies for solving problems and applying their knowledge in novel situations. In this edition, we have focused our pedagogy on the five core concepts of biology as advocated by "Vision and Change" and introduced at a national conference organized by the American Association for the Advancement of Science.*

BIOLOGY 2E

BIOLOGY LABORATORY MANUAL

McGraw-Hill Education *The Biology Laboratory Manual by Vodopich and Moore was designed for an introductory biology course with a broad survey of basic laboratory techniques. The experiments and procedures are simple, safe, easy to perform, and especially appropriate for large classes. Few experiments require more than one class meeting to complete the procedure. Each exercise includes many photographs, traditional topics, and experiments that help students learn about life. Procedures within each exercise*

are numerous and discrete so that an exercise can be tailored to the needs of the students, the style of the instructor, and the facilities available.

BIOLOGY

CALIFORNIA

Holt Rinehart & Winston

KEY DISCOVERIES IN LIFE SCIENCE

Lernerclassroom "Explore this fascinating timeline history of life science! What are cells, heredity, evolution, ecosystems, and photosynthesis? Who first studied these concepts? And who later built on and expanded the work of those early thinkers?"--

FORMAL ONTOLOGY IN INFORMATION SYSTEMS

PROCEEDINGS OF THE EIGHTH INTERNATIONAL CONFERENCE (FOIS 2014)

IOS Press *Formal Ontology in Information Systems (FOIS)* is the flagship conference of the International Association for Ontology and its Applications (IAOA). Its interdisciplinary research focus lies at the intersection of philosophical ontology, linguistics, logic, cognitive science, and computer science, as well as in the applications of ontological analysis to conceptual modeling, knowledge engineering, knowledge management, information-systems development, library and information science, scientific research, and semantic technologies in general. As in previous years, FOIS 2014 was a nexus of interdisciplinary research and communication. The current proceedings is divided into four main sections, dealing with: foundations; processes, agency and dispositions; methods and tools; and applications. The last of these covers a broad spectrum of areas, including in particular biology and medicine, engineering, and economy. For the first time in its history, the conference hosted a special track: an ontology competition, the aim of which was to encourage authors to make their ontologies publicly available and to allow them to be evaluated according to a set of predetermined criteria. Papers discussing these ontologies can also be found in this volume. The book will be of interest to all those whose work involves the application of ontologies, and who are looking for a current overview of developments in formal ontology.

BIOLOGICAL EXTINCTION

NEW PERSPECTIVES

Cambridge University Press *Questions why species are becoming extinct, and how we can protect the natural world on which we all depend.*

MOTIVATION: THE MANAGER'S KEY TO CLOSING THE COMMITMENT GAP

ABC-CLIO *This book shows managers how to identify opportunities for increasing productivity by enhancing commitment and provides tools for building a high-performing team. • Clearly identifies interpersonal dynamics as the major factor for reducing the "commitment gap" and increasing job satisfaction and productivity • Utilizes "real life" scenarios to demonstrate how the supplied blueprints and strategies enable managers to internalize and experiment to impact their own motivational issues*

THE RAVEN

TOMORROW'S TABLE

ORGANIC FARMING, GENETICS, AND THE FUTURE OF FOOD

Oxford University Press *By the year 2050, Earth's population will double. If we continue with current farming practices, vast amounts of wilderness will be lost, millions of birds and billions of insects will die, and the public will lose billions of dollars as a consequence of environmental degradation. Clearly, there must be a better way to meet the need for increased food production. Written as part memoir, part instruction, and part contemplation, Tomorrow's Table argues that a judicious blend of two important strands of agriculture--genetic engineering and organic farming--is key to helping feed the world's growing population in an ecologically balanced manner. Pamela Ronald, a geneticist, and her husband, Raoul Adamchak, an organic farmer, take the reader inside their lives for roughly a year, allowing us to look over their shoulders so that we can see what geneticists and organic farmers actually do. The reader sees the problems that farmers face, trying to provide larger yields without resorting to expensive or environmentally hazardous chemicals, a problem that will loom larger and larger as the century progresses. They learn how organic farmers and geneticists address these problems. This book is for consumers, farmers, and policy decision makers who want to make food choices and policy that will support ecologically responsible farming practices. It is also for anyone who wants accurate information about organic farming, genetic engineering, and their potential impacts on human health and the environment.*

LIFE

THE SCIENCE OF BIOLOGY

Macmillan Authoritative, thorough, and engaging, *Life: The Science of Biology* achieves an optimal balance of scholarship and teachability, never losing sight of either the science or the student. The first introductory text to present biological concepts through the research that revealed them, *Life* covers the full range of topics with an integrated experimental focus that flows naturally from the narrative. This approach helps to bring the drama of classic and cutting-edge research to the classroom - but always in the context of reinforcing core ideas and the innovative scientific thinking behind them. Students will experience biology not just as a litany of facts or a highlight reel of experiments, but as a rich, coherent discipline.

USE THE LIVING WORLD

BIOLOGY

AP EDITION

AN OUTLINE OF DEVELOPMENTAL PHYSIOLOGY

Hassell Street Press This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

POLLINATION BIOLOGY, VOL.1

PESTS AND POLLINATORS OF FRUIT CROPS

Springer The book covers interplay between pest management strategies and safety of pollinators. Detailed information is provided on

pests and pollinators of temperate, subtropical and tropical fruit crops. Most of the fruit crops are highly cross pollinated and depend upon insects or benefit from insect pollination for fruit set. Insect pests on the other hand cause major economic damage on fruit crops in tropics, subtropics and temperate. Evidently, pest management in fruit crops on one hand and providing safety to the pollinators on the other is a challenging task in the context of increasing horticultural productivity without upsetting the ecological balance. This book aims to integrate and develop pest control strategies in a way to minimize their impact on beneficial insect species such as natural enemies and pollinators to enhance fruit production and quality. The book covers interplay between pest management strategies and safety of pollinators. Detailed information is provided on pests and pollinators of temperate, subtropical and tropical fruit crops. Pollinators play a crucial role in flowering plant reproduction and in the production of most fruits and vegetables. Most of the fruit crops are highly cross pollinated and depend upon insects or benefit from insect pollination for fruit set. Insect pests on the other hand cause major economic damage on fruit crops in tropics, subtropics and temperate. Evidently, pest management in fruit crops on one hand and providing safety to the pollinators on the other is a challenging task in the context of increasing horticultural productivity without upsetting the ecological balance. This book aims to integrate and develop pest control strategies in a way to minimize their impact on beneficial insect species such as natural enemies and pollinators to enhance fruit production and quality. Most of the fruit crops are highly cross pollinated and depend upon insects or benefit from insect pollination for fruit set. Insect pests on the other hand cause major economic damage on fruit crops in tropics, subtropics and temperate. Evidently, pest management in fruit crops on one hand and providing safety to the pollinators on the other is a challenging task in the context of increasing horticultural productivity without upsetting the ecological balance. This book aims to integrate and develop pest control strategies in a way to minimize their impact on beneficial insect species such as natural enemies and pollinators to enhance fruit production and quality. The book covers interplay between pest management strategies and safety of pollinators.

MIND OF THE RAVEN

INVESTIGATIONS AND ADVENTURES WITH WOLF-BIRDS

Harper Collins Heinrich involves us in his quest to get inside the mind of the raven. But as animals can only be spied on by getting quite close, Heinrich adopts ravens, thereby becoming a "raven father," as well as observing them in their natural habitat. He studies their daily routines, and in the process, paints a vivid picture of the ravens' world. At the heart of this book are Heinrich's love and respect for these complex and engaging creatures, and through his keen observation and analysis, we become their intimates too. Heinrich's passion for ravens has led him around the world in his research. Mind of the Raven follows an exotic journey—from New England to Germany, and from Montana to Baffin Island in the high Arctic—offering dazzling accounts of how science works in the

field, filtered through the eyes of a passionate observer of nature. Each new discovery and insight into raven behavior is thrilling to read, at once lyrical and scientific.

THE HYDROPOLITICS OF DAMS

ENGINEERING OR ECOSYSTEMS?

Zed Books Ltd. *The Hydropolitics of Dams charts the troubled waters of 'heavy engineering' approaches to ecosystem management, exploring the history, benefits and problems of large dams. It then explores diverse ecosystem-based approaches to management of human interactions with the water cycle, concluding that a synthesis of approaches is needed in future. The book also addresses political, economic and legal dimensions of water management. Featuring case studies from China, India and South Africa, this insightful new book argues that there are more appropriate physical and social technologies that can help to sustainably provide access to clean water for all.*

ENVIRONMENT

BIOLOGY LABORATORY MANUAL

McGraw-Hill Science/Engineering/Math *This laboratory manual is designed for an introductory majors biology course with a broad survey of basic laboratory techniques. The experiments and procedures are simple, safe, easy to perform, and especially appropriate for large classes. Few experiments require a second class-meeting to complete the procedure. Each exercise includes many photographs, traditional topics, and experiments that help students learn about life. Procedures within each exercise are numerous and discrete so that an exercise can be tailored to the needs of the students, the style of the instructor, and the facilities available.*

PROOFREADING, REVISING & EDITING SKILLS SUCCESS IN 20 MINUTES A DAY

Learning Express Llc *This comprehensive guide will prepare candidates for the test in all 50 states. It includes four complete practice exams, a real estate refresher course and complete math review, as well as a real estate terms glossary with over 900 terms, and expert test-prep tips.*

LIFE ON AN OCEAN PLANET

Teacher digital resource package includes 2 CD-ROMs and 1 user guide. Includes Teacher curriculum guide, PowerPoint chapter presentations, an image gallery of photographs, illustrations, customizable presentations and student materials, Exam Assessment Suite, PuzzleView for creating word puzzles, and LessonView for dynamic lesson planning. Laboratory and activity disc includes the manual in both student and teacher editions and a lab materials list.

HUMAN-INSECT INTERACTIONS

CRC Press This book presents a 360-degree picture of the world of insects and explores how their existence affects our lives: the "good, bad, and ugly" aspects of their interactions with humankind. It provides a lucid introductory text for beginning undergraduate students in the life sciences, particularly those pursuing beginner courses in entomology, agriculture, and botany.

BIOLOGY AND CONSERVATION OF NORTH AMERICAN TORTOISES

JHU Press Richard Tracy Tracey D. Tuberville Michael Tuma Thane Wibbels

WHAT CAN I DO TO HELP HEAL THE ENVIRONMENTAL CRISIS?

Routledge The culmination of over three decades of writing by environmental scientist and writer Haydn Washington, this book examines the global environmental crisis and its solutions. Many of us know that something is wrong with our world, that it is wounded. At the same time, we often don't know why things have gone wrong – or what can be done. Framing the discussion around three central predicaments – the ecological, the social, and the economic – Washington provides background as to why each of these are in crisis and presents steps that individuals can personally take to heal the world. Urging the reader to accept the reality of our problems, he explores practical solutions for change such as the transition to renewable energy, rejection of climate denial and the championing of appropriate technology, as well as a readjustment in ethical approaches. The book also contains 19 'solution boxes' by distinguished environmental scholars. With a focus on positive, personal solutions, this book is an essential read for students and scholars of environmental science and environmental philosophy, and for all those keen to heal the world and contribute towards a sustainable future.

CONSERVATION BIOLOGY

VOICES FROM THE TROPICS

John Wiley & Sons *The late Navjot Sodhi conceived this book as a way of bringing to the forefront of our conservation planning for the tropics the views of people who were actually working and living there. In its 31 chapters, 55 authors present their views on the conservation problems they face and how they deal with them. Effective long term conservation in the tropics requires the full participation of local people, organizations and governments. The human population of tropical countries is expected to grow by more than 2.5 billion people over the next several decades, with expectations of increased consumption levels growing even more rapidly than population levels; clearly there will be a need for more trained conservationists and biologists. Significant levels of local involvement are essential to conservation success, with the rights of local people fully recognized, protected and fostered by governmental and international assistance. Overarching conservation plans are necessary, but cannot in themselves lead to success. The individual experiences presented in the pages of this book will provide useful models that may serve to build better and more sustainable lives for the people who live in the tropics and lead to the continued survival of as many species and functioning ecosystems as possible.*

POPULATION, AGRICULTURE, AND BIODIVERSITY

PROBLEMS AND PROSPECTS

University of Missouri Press *This timely collection of 15 original essays written by expert scientists the world over addresses the relationships between human population growth, the need to increase food supplies to feed the world population, and the chances for avoiding the extinction of a major proportion of the world's plant and animal species that collectively makes our survival on Earth possible. These relationships are highly intertwined, and changes in each of them steadily decrease humankind's chances to achieve environmental stability on our fragile planet. The world population is projected to be nine to ten billion by 2050, signaling the need to increase world food production by more than 70 percent on the same amount of land currently under production—and this without further damaging our fragile environment. The essays in this collection, written by experts for laypersons, present the problems we face with clarity and assess our prospects for solving them, calling for action but holding out viable solutions.*

THE BIOLOGY OF EARLY INFLUENCES

Springer Science & Business Media *The underlying theme of this book the role of experience in the development of the nervous system. It is now widely acknowledged that there are a variety of organ- environment interactions that guide the development of the*

nervous system. The popular press has also picked up on this theme and parents are being advised to enrich their child's sensory experience as early as possible. The importance of experience in development is so well accepted that it has begun to dictate public policy. In 1997, the President and First Lady hosted "The White House Conference on Early Childhood Development and Learning: What New Research on the Brain Tells Us About Our Youngest Children." Along with this conference came a reemphasis on programs directed at enriching the environment of America's youth. In some cases laws have been passed to assure enhanced early experience. In Georgia, the former governor proposed sending newborn children home from the hospital with classical music CDs. This received some praise, but was also ridiculed by others who felt the policy was not justified by the available scientific evidence. Here in Florida, enhanced "brain development activities" are mandated for state-funded child care facilities. Chapter 402.25 of the 1998 State of Florida Statutes reads (emphasis added): *Infants and toddlers in state-funded education and care programs; brain development activities.*

THE BIOLOGY OF CANCER

SECOND INTERNATIONAL STUDENT EDITION

W.W. Norton & Company Incorporating the most important advances in the fast-growing field of cancer biology, the text maintains all of its hallmark features. It is admired by students, instructors, researchers, and clinicians around the world for its clear writing, extensive full-color art program, and numerous pedagogical features.

THE DOMINANT ANIMAL

HUMAN EVOLUTION AND THE ENVIRONMENT

Island Press In humanity's more than 100,000 year history, we have evolved from vulnerable creatures clawing sustenance from Earth to a sophisticated global society manipulating every inch of it. In short, we have become the dominant animal. Why, then, are we creating a world that threatens our own species? What can we do to change the current trajectory toward more climate change, increased famine, and epidemic disease? Renowned Stanford scientists Paul R. Ehrlich and Anne H. Ehrlich believe that intelligently addressing those questions depends on a clear understanding of how we evolved and how and why we're changing the planet in ways that darken our descendants' future. *The Dominant Animal* arms readers with that knowledge, tracing the interplay between environmental change and genetic and cultural evolution since the dawn of humanity. In lucid and engaging prose, they describe how *Homo sapiens* adapted to their surroundings, eventually developing the vibrant cultures, vast scientific knowledge, and technological

wizardry we know today. But the Ehrlichs also explore the flip side of this triumphant story of innovation and conquest. As we clear forests to raise crops and build cities, lace the continents with highways, and create chemicals never before seen in nature, we may be undermining our own supremacy. The threats of environmental damage are clear from the daily headlines, but the outcome is far from destined. Humanity can again adapt—if we learn from our evolutionary past. Those lessons are crystallized in *The Dominant Animal*. Tackling the fundamental challenge of the human predicament, Paul and Anne Ehrlich offer a vivid and unique exploration of our origins, our evolution, and our future.

IMPROVING ABIOTIC STRESS TOLERANCE IN PLANTS

CRC Press Abiotic stresses such as drought, flooding, high or low temperatures, metal toxicity and salinity can hamper plant growth and development. *Improving Abiotic Stress Tolerance in Plants* explains the physiological and molecular mechanisms plants naturally exhibit to withstand abiotic stresses and outlines the potential approaches to enhance plant abiotic stress tolerance to extreme conditions. Synthesising developments in plant stress biology, the book offers strategies that can be used in breeding, genomic, molecular, physiological and biotechnological approaches that hold the potential to develop resilient plants and improve crop productivity worldwide. Features · Comprehensively explains molecular and physiological mechanism of multiple abiotic stress tolerance in plants · Discusses recent advancements in crop abiotic stress tolerance mechanism and highlights strategies to develop abiotic stress tolerant genotypes for sustainability · Stimulates synthesis of information for plant stress biology for biotechnological applications · Presents essential information for large scale breeding and agricultural biotechnological programs for crop improvement Written by a team of expert scientists, this book benefits researchers in the field of plant stress biology and is essential reading for graduate students and researchers generating stress tolerant crops through genetic engineering and plant breeding. It appeals to individuals developing sustainable agriculture through physiological and biotechnological applications.

THE PHYSIOLOGY OF MICROALGAE

Springer This book covers the state-of-the-art of microalgae physiology and biochemistry (and the several -omics). It serves as a key reference work for those working with microalgae, whether in the lab, the field, or for commercial applications. It is aimed at new entrants into the field (i.e. PhD students) as well as experienced practitioners. It has been over 40 years since the publication of a book on algal physiology. Apart from reviews and chapters no other comprehensive book on this topic has been published. Research on microalgae has expanded enormously since then, as has the commercial exploitation of microalgae. This volume thoroughly deals with the most critical physiological and biochemical processes governing algal growth and production.

PRINCIPLES AND PRACTICE OF GERIATRIC MEDICINE

John Wiley & Sons The fourth edition of the highly acclaimed *Principles and Practice of Geriatric Medicine* provides an account of the fundamental changes associated with ageing, which are essential to our understanding and management of the elderly sick population. The title has been extensively revised and updated to reflect the enormous changes in treatment options and medical conditions emerged since publication of the third edition. Written by worldwide experts of international repute, this is the most up-to-date and comprehensive single reference source currently available. *Principles & Practice of Geriatric Medicine, Fourth Edition* incorporates: More than 30 new chapters, including: Preventive geriatrics, Anorexia of Aging, Managements of Weight Loss, Dehydration, Vitamins and Minerals in the Elderly, Cancer and Aging, Mild Cognitive Impairment, Treatment of Behavioral Disorders, The Older Patient with Down's Syndrome, Drug Abuse in Older People, Breast Cancer, Women's health A truly global perspective, including new chapter on: Care of the elderly in Israel: old age in a young land, Geriatric Medicine in China, Geriatric medicine education in Europe, Geriatrics from the European Union Perspective, India, Day Hospitals, Perspectives from Latin America The title will be indispensable for all those involved in the treatment of older patients: Gerontologists to keep up-to-date with the latest developments in the field General practitioners and specialists in health policy and community care, who increasingly have to deal with a significant number of older people. Academic researchers in geriatric medicine, who are in need for an all encompassing reference work Medical registrars (UK) / residents (US) in order to pass their exams Teachers of Geriatric Medicine Hospital libraries with increasing budgets to spend on much needed resource in this growing field. Professionals within the pharmaceutical industry in order to monitor treatment options and new prescription developments.

POSTHUMAN BLISS?

THE FAILED PROMISE OF TRANSHUMANISM

Oxford University Press A tightly argued and expansive examination of the pitfalls of transhumanism that reacquaints us with what it means to live well. Advocates of transhumanism, or "radical" enhancement, urge us to pursue the biotechnological heightening of select capacities - above all, cognitive ability - so far beyond any human limit that the beings with those capacities would exist on a higher ontological plane. For proponents of such views, humanity's self-transcendence through advancements in science and technology may even be morally required. Consequently, the human stakes of how we respond to transhumanism are immeasurably high. In *Posthuman Bliss? The Failed Promise of Transhumanism*, Susan B. Levin challenges transhumanists' overarching commitments regarding the mind and brain, ethics, liberal democracy, knowledge, and reality, showing their notion of humanity's self-

transcendence into "posthumanity" to be little more than fantasy. Uniting philosophical with scientific arguments, Levin mounts a significant challenge to transhumanists' claim that science and technology support their vision of posthumanity. In a clear and engaging style, she dismantles transhumanists' breezy assurances that posthumans will emerge if we but allocate sufficient resources to that end. Far from offering theoretical and practical "proof of concept" for the vision that they urge upon us, Levin argues, transhumanists engage inadequately with cognitive psychology, biology, and neuroscience, often relying on questionable or outdated views within those fields. Having shown in depth why transhumanism should be rejected, Levin argues forcefully for a holistic perspective on living well that is rooted in Aristotle's virtue ethics but that is adapted to liberal democracy. This holism is thoroughly human, in the best of senses: It directs us to consider worthy ends for us as human beings and to do the irreplaceable work of understanding ourselves rather than relying on technology and science to be our salvation.

THE ANALYSIS OF BIOLOGICAL DATA

Macmillan Higher Education *The Analysis of Biological Data* provides students with a practical foundation of statistics for biology students. Every chapter has several biological or medical examples of key concepts, and each example is prefaced by a substantial description of the biological setting. The emphasis on real and interesting examples carries into the problem sets where students have dozens of practice problems based on real data. The third edition features over 200 new examples and problems. These include new calculation practice problems, which guide the student step by step through the methods, and a greater number of examples and topics come from medical and human health research. Every chapter has been carefully edited for even greater clarity and ease of use. All the data sets, R scripts for all worked examples in the book, as well as many other teaching resources, are available to qualified instructors (see below).

IMPROVING ANIMAL WELFARE

A PRACTICAL APPROACH, 3RD EDITION

CABI Completely revised, updated and with four new chapters on sustainability, new technologies, precision agriculture and the future of animal welfare. This book is edited by an outstanding world expert on animal welfare, it emphasizes throughout the importance of measuring conditions that compromise welfare, such as lameness, heat stress, body condition, and bruises during transport. The book combines scientific information with practical recommendations for use on commercial operations and reviews practical information on livestock handling, euthanasia, slaughter, pain relief, and assessments of abnormal behavior.

PLANT SECONDARY METABOLITES FOR HUMAN HEALTH

EXTRACTION OF BIOACTIVE COMPOUNDS

CRC Press This new book deals with recent advanced research on natural products and health-promoting foods that work to reduce the risk of diseases while enhancing overall well-being. Plant-based functional foods are known to contain compounds (also referred to as phytochemicals) in the leaves, stems, flowers, and fruits of certain plants. These plant products are drawing the attention of researchers because of their demonstrated beneficial effects against disease, particularly diabetes, hypertension, cancer, neurodegenerative diseases, among others. The medicinal and nutritional use of plant secondary metabolites is a hot topic and has been receiving extensive attention from both health professionals and the public. This book presents new information on the extraction of bioactive compounds from plants, plant-based drugs, and the innovative use of plant-based drugs for human health.

TEXTBOOK OF ORGANIC MEDICINAL AND PHARMACEUTICAL CHEMISTRY

Lippincott Williams & Wilkins