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KEY=RAVI - BLACKBURN HURLEY

WHAT'S IN, WHAT'S OUT

DESIGNING BENEFITS FOR UNIVERSAL HEALTH COVERAGE

Brookings Institution Press Vaccinate children against deadly pneumococcal disease, or pay for cardiac patients to undergo lifesaving surgery? Cover the costs of dialysis for kidney patients, or channel the money toward preventing the conditions that lead to renal failure in the first place? Policymakers dealing with the realities of limited health care budgets face tough decisions like these regularly. And for many individuals, their personal health care choices are equally stark: paying for medical treatment could push them into poverty. Many low- and middle-income countries now aspire to universal health coverage, where governments ensure that all people have access to the quality health services they need without risk of impoverishment. But for universal health coverage to become reality, the health services offered must be consistent with the funds available—and this implies tough everyday choices for policymakers that could be the difference between life and death for those affected by any given condition or disease. The situation is particularly acute in low- and middle income countries where public spending on health is on the rise but still extremely low, and where demand for expanded services is growing rapidly. What's In, What's Out: Designing Benefits for Universal Health Coverage argues that the creation of an explicit health benefits plan—a defined list of services that are and are not available—is an essential element in creating a sustainable system of universal health coverage. With contributions from leading health economists and policy experts, the book considers the many dimensions of governance, institutions, methods, political economy, and ethics that are needed to decide what's in and what's out in a way that is fair, evidence-based, and sustainable over time.

SOFT COMPUTING FOR PROBLEM SOLVING

SOCPROS 2018, VOLUME 2

Springer Nature This two-volume book presents the outcomes of the 8th International Conference on Soft Computing for Problem Solving, SocProS 2018. This conference was a joint technical collaboration between the Soft Computing Research Society, Liverpool Hope University (UK), and Vellore Institute of Technology (India), and brought together researchers, engineers and practitioners to discuss thought-provoking developments and challenges in order to select potential future directions. The book highlights the latest advances and innovations in the interdisciplinary areas of soft computing, including original research papers on algorithms (artificial immune systems, artificial neural networks, genetic algorithms, genetic programming, and particle swarm optimization) and applications (control systems, data mining and clustering, finance, weather forecasting, game theory, business and forecasting applications). It offers a valuable resource for both young and experienced researchers dealing with complex and intricate real-world problems that are difficult to solve using traditional methods.

VITAMIN D

PHYSIOLOGY, MOLECULAR BIOLOGY, AND CLINICAL APPLICATIONS

Springer Science & Business Media The Nutrition and Health series of books has as an overriding mission to provide health professionals with texts that are considered essential because each includes: a synthesis of the state of the science; timely, in-depth reviews by the leading researchers in their respective fields; extensive, up-to-date fully annotated reference lists; a detailed index; relevant tables and figures; identification of paradigm shifts and the consequences; of information between chapters, but targeted, inter-chapter refer virtually no overlap rals, suggestions of areas for future research; and balanced, data-driven answers to patient questions that are based on the totality of evidence rather than the findings of any single study. The series volumes are not the outcome of a symposium. Rather, each editor has the potential to examine a chosen area with a broad perspective, both in subject matter as well as in the choice of chapter authors. The international perspective, especially with regard to public health initiatives, is emphasized where appropriate. The editors, whose training is both research and practice oriented, have the opportunity to develop a primary objective for their book, define the scope and focus, and then invite the leading authori ties from around the world to be part of their initiative. The authors are encouraged to provide an overview of the field, discuss their own research, and relate the research de findings to potential human health consequences.

MATERIALS, DESIGN, AND MANUFACTURING FOR SUSTAINABLE ENVIRONMENT

SELECT PROCEEDINGS OF ICMDMSE 2020

Springer Nature This book comprises the select proceedings of the International Conference on Materials, Design and Manufacturing for Sustainable Environment (ICMDMSE 2020). The primary focus is on emerging materials and cutting-edge manufacturing technologies for sustainable environment. The book covers a wide range of topics such as advanced materials, vibration, tribology, finite element method (FEM), heat transfer, fluid mechanics, energy engineering, additive manufacturing, robotics and automation, automobile engineering, industry 4.0, MEMS and nanotechnology, optimization techniques, condition monitoring, and new paradigms in technology management. Contents of this book will be useful to students, researchers, and practitioners alike.

INNOVATION AND MARKETING IN THE PHARMACEUTICAL INDUSTRY

EMERGING PRACTICES, RESEARCH, AND POLICIES

Springer Science & Business Media The pharmaceutical industry is one of today's most dynamic and complex industries, involving commercialization of cutting-edge scientific research, a huge web of stakeholders (from investors to doctors), multi-stage supply chains, fierce competition in the race to market, and a challenging regulatory environment. The stakes are high, with each new product raising the prospect of spectacular success—or failure. Worldwide revenues are approaching \$1 trillion; in the U.S. alone, marketing for pharmaceutical products is, itself, a multi-billion dollar industry. In this volume, the editors showcase contributions from experts around the world to capture the state of the art in research, analysis, and practice, and covering the full spectrum of topics relating to innovation and marketing, including R&D, promotion, pricing, branding, competitive strategy, and portfolio management. Chapters include such features as: · An extensive literature review, including coverage of research from fields other than marketing · an overview of how practitioners have addressed the topic · introduction of relevant analytical tools, such as statistics and ethnographic studies · suggestions for further research by scholars and students The result is a comprehensive, state-of-the-art resource that will be of interest to researchers, policymakers, and practitioners, alike.

NANOPHARMACEUTICALS: PRINCIPLES AND APPLICATIONS VOL. 2

Springer This book presents the comprehensive description of basic principles, methodologies, similarities and differences of nano-liposomes and -phytosomes. It focuses on the implications of these nano carriers in drug delivery and also includes detailed classification of nanoionized drug particles, polymeric nanoparticles and hydrophobic nanoparticles. This book concludes with the biological, technical and study-design challenges of Nanopharmaceuticals and presents critical viewpoints of smart DNA nanostructures. The risk factors and regulatory concerns have also been kept in focus and the book includes the toxicity and application of different types of ionic liquids for humans and environment. It also critically describes characteristics, applications and regulatory gaps of nanoparticle-ionic liquid combined systems.

COMORBIDITY OF MENTAL AND PHYSICAL DISORDERS

Karger Medical and Scientific Publishers 0

STRIPPING THE GURUS

SEX, VIOLENCE, ABUSE AND ENLIGHTENMENT

"Armed with wit, insight, and truly astonishing research, Falk utterly demolishes the notion of the enlightened guru who can lead devotees to nirvana.--John Horgan, author of "Rational Mysticism."

FOUNDATIONS OF PROBABILISTIC PROGRAMMING

Cambridge University Press This book provides an overview of the theoretical underpinnings of modern probabilistic programming and presents applications in e.g., machine learning, security, and approximate computing. Comprehensive survey chapters make the material accessible to graduate students and non-experts. This title is also available as Open Access on Cambridge Core.

PHARMACEUTICAL DOSAGE FORMS

TABLETS, SECOND EDITION -VOLUME 2

CRC Press

ADVANCES IN COMPUTING AND INFORMATION TECHNOLOGY

PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING AND INFORMATION TECHNOLOGY (ACITY) JULY 13-15, 2012, CHENNAI, INDIA -

Springer Science & Business Media The international conference on Advances in Computing and Information technology (ACITY 2012) provides an excellent international forum for both academics and professionals for sharing knowledge and results in theory, methodology and applications of Computer Science and Information Technology. The Second International Conference on Advances in Computing and Information technology (ACITY 2012), held in Chennai, India, during July 13-15, 2012, covered a number of topics in all major fields of Computer Science and Information Technology including: networking and communications, network security and applications, web and internet computing, ubiquitous computing, algorithms, bioinformatics, digital image processing and pattern recognition, artificial intelligence, soft computing and applications. Upon a strength review process, a number of high-quality, presenting not only innovative ideas but also a founded evaluation and a strong argumentation of the same, were selected and collected in the present proceedings, that is composed of three different volumes.

MODERN FLUORESCENCE SPECTROSCOPY

Springer The principles of fluorescence spectroscopy are by now well established, and, after a rather lengthy gestation period, the technique is now routinely applied to a broad spectrum of problems, ranging from mechanistic photo chemistry to chemical analyses in biomedical and environmental systems of structure and function in biological macromolecules. Phosphor to probes escence spectrometry and chemiluminescence are also well-known tech niques; they are somewhat less well established than fluorescence (at least in analytical chemistry), but they too are receiving greatly increased appli cation to both laboratory and "real" problems. This is not to imply that luminescence spectroscopy, viewed in its broadest sense, is a static field. In fact, recent advances in instrumentation make it feasible to apply fluorescence to problem areas in which its use five years ago would have been unthinkable. Advances in hardware generate advances in application, and very significant progress is being recorded in the application of fluorescence (and its close relatives, phosphorescence and chemiluminescence) in the biochemical, biomedical, and environmental spheres.

INCREMENTAL SHEET FORMING TECHNOLOGIES

PRINCIPLES, MERITS, LIMITATIONS, AND APPLICATIONS

CRC Press Incremental Sheet Forming (ISF) exempts use of dies and reduces cost for manufacturing complex parts. Sheet metal forming is used for producing high-quality components in automotive, aerospace, and medical industries. This book covers the benefits of this new technology, including the process parameters along with various techniques. Each variant of this novel process is discussed along with the requirements of machinery and hardware. In addition, appropriate guidelines are also suggested regarding the relationship between process parameters and aspects of ISF process in order to ensure the applicability of the process on the industrial scale. This book will be a useful asset for researchers, engineers in manufacturing industries, and postgraduate level courses.

SECURE COMMUNICATION FOR 5G AND IOT NETWORKS

Springer Nature

EVALUATION OF HERBAL MEDICINAL PRODUCTS

PERSPECTIVES ON QUALITY, SAFETY AND EFFICACY

"This book presents a structural approach to the evaluation of herbal medicinal products for quality, safety and efficacy. There has been an enormous growth in the market for herbal medicinal products in the last twenty five years. However the rediscovery of natural substances with therapeutic potential has raised questions of quality, safety and efficacy on the part of the consumer and also from health professionals. This book brings together current thinking and practice in these areas highlighting current research. In the light of increasing legislation to enforce better standards for these products and the demand by legislators and the public for assurance of safe and effective use, this book seeks to provide a state-of-the-art review, which informs and guides those who seek to promote their use. This book also gives an overview of the place of ethno pharmacology in the development of herbal medicinal products and discusses good agricultural and collection practices, marker analysis and stability testing which contribute to assessment of good quality of these materials." -- Publisher description.

DATA ANALYTICS AND MANAGEMENT

PROCEEDINGS OF ICDAM

Springer Nature This book includes original unpublished contributions presented at the International Conference on Data Analytics and Management (ICDAM 2020), held at Jan Wzykowski University, Poland, during June 2020. The book covers the topics in data analytics, data management, big data, computational intelligence, and communication networks. The book presents innovative work by leading academics, researchers, and experts from industry which is useful for young researchers and students.

EMBEDDED AUTONOMY

STATES AND INDUSTRIAL TRANSFORMATION

Princeton University Press In recent years, debate on the state's economic role has too often devolved into diatribes against intervention. Peter Evans questions such simplistic views, offering a new vision of why state involvement works in some cases and produces disasters in others. To illustrate, he looks at how state agencies, local entrepreneurs, and transnational corporations shaped the emergence of computer industries in Brazil, India, and Korea during the seventies and eighties. Evans starts with the idea that states vary in the way they are organized and tied to society. In some nations, like Zaire, the state is predatory, ruthlessly extracting and providing nothing of value in return. In others, like Korea, it is developmental, promoting industrial transformation. In still others, like Brazil and India, it is in between, sometimes helping, sometimes hindering. Evans's years of comparative research on the successes and failures of state involvement in the process of industrialization have here been crafted into a persuasive and entertaining work, which demonstrates that successful state action requires an understanding of its own limits, a realistic relationship to the global economy, and the combination of coherent internal organization and close links to society that Evans called "embedded autonomy."

REMOVAL OF EMERGING CONTAMINANTS THROUGH MICROBIAL PROCESSES

Springer Nature The abundance of organic pollutants found in wastewater affect urban surface waters. Traditional wastewater management technologies focus on the removal of suspended solids, nutrients and bacteria, however, new pollutants such as synthetic or naturally occurring chemicals are often not monitored in the environment despite having the potential to enter the environment and cause adverse ecological and human health effects. Collectively referred to as "emerging contaminants," they are mostly derived from domestic activities and occur in trace concentrations ranging from pico to micrograms per liter. Environmental contaminants are resistant to conventional wastewater treatment processes and most of them remain unaffected, causing contamination of receiving water. This in turn leads to the need for advanced wastewater treatment processes capable of removing environmental contaminants to ensure safe fresh water sources. This book provides an up-to-date overview of the current bioremediation strategies, including their limitations, challenges and their potential application to remove environmental pollutants. It also introduces the latest trends and advances in environmental bioremediation, and presents the state-of-the-art in biological and chemical wastewater treatment processes. As such, it will appeal to researchers and policy-makers, as well as undergraduate and graduate environmental sciences students.

MARINE NICHE: APPLICATIONS IN PHARMACEUTICAL SCIENCES

TRANSLATIONAL RESEARCH

Springer This book offers a comprehensive study of biological molecules acquired from marine organisms, which have been exploited for drug discovery with the aim to treat human diseases. Biomolecules have potential impacts on a diverse range of fields, including medical and pharmaceutical science, industrial science, biotechnology, basic research, molecular science, environmental science and climate change, etc. To understand and effectively apply medicinally important biomolecules, multidisciplinary approaches are called for. The ocean remains a rich biological resource, and the vast untapped potential of novel molecules from marine bio-resources has caught the interest of more and more researchers. These novel biological compounds have never been found in terrestrial or other ecosystems, but only in this rich niche. Advances in sampling techniques and technologies, along with increased funding for research and nature conservation, have now encouraged scientists to look deeper in the waters. Aquaculture supports both tremendous seafood production and the bulk production of marine-derived drugs. Furthermore, molecular methods are now being extensively employed to explore the untapped marine microbial diversity. With the help of molecular and biotech tools, the ability of marine organisms to produce new biosynthetic drugs can be greatly enhanced. This book provides an extensive compilation of the latest information on marine resources and their undisputedly vital role in the treatment of diverse ailments.

INTERPENETRATING POLYMER NETWORK: BIOMEDICAL APPLICATIONS

Springer Nature The book focuses on novel interpenetrating polymer network (IPN)/semi-IPN technologies for drug delivery and biomedical applications. The dynamism of the design and development of interpenetrating network polymers is based on their ability to provide free volume for the easy encapsulation of drugs in the three-dimensional network structure obtained by cross-linking two or more polymer networks. Natural polymer-based IPNs can deliver drugs at a controlled rate over an extended period of time, while novel IPNs ensure better mechanical strength and sustained/ controlled drug-delivery properties. This book presents an overview of the use of this technology to fabricate nanomedicine, hydrogels, nanoparticles, and microparticles, thereby unlocking IPN's potential in the area of drug delivery and biomedical engineering. It also discusses applications of IPN systems in cancer therapy and tissue engineering, and describes the various IPN systems and their wide usage and applications in drug delivery.

MICROCOMPUTED TOMOGRAPHY

METHODOLOGY AND APPLICATIONS

CRC Press Due to the availability of commercial laboratory systems and the emergence of user facilities at synchrotron radiation sources, studies of microcomputed tomography or microCT have increased exponentially. MicroComputed Technology provides a complete introduction to the technology, describing how to use it effectively and understand its results. The first part of the book focuses on methodology, covering experimental methods, data analysis, and visualization approaches. The second part addresses various microCT applications, including porous solids, microstructural evolution, soft tissue studies, multimode studies, and indirect analyses. The author presents a sufficient amount of fundamental material so that those new to the field can develop a relative understanding of how to design their own microCT studies. One of the first full-length references dedicated to microCT, this book provides an accessible introduction to field, supplemented with application examples and color images.

PROCEEDINGS OF INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MACHINE LEARNING, IOT, SMART CITIES AND APPLICATIONS

ICMISC 2020

Springer Nature This book gathers selected research papers presented at the International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications (ICMISC 2020), held on 29-30 March 2020 at CMR Institute of Technology, Hyderabad, Telangana, India. Discussing current trends in machine learning, Internet of things, and smart cities applications, with a focus on multi-disciplinary research in the area of artificial intelligence and cyber-physical systems, this book is a valuable resource for scientists, research scholars and PG students wanting formulate their research ideas and find the future directions in these areas. Further, it serves as a reference work anyone wishing to understand the latest technologies used by practicing engineers around the globe.

CHANGE; PRINCIPLES OF PROBLEM FORMATION AND PROBLEM RESOLUTION

W W Norton & Company Incorporated Three prominent American therapists detail their theories and strategies for promoting human change and dealing with related psychological problems.

DATA DRIVEN APPROACH TOWARDS DISRUPTIVE TECHNOLOGIES

PROCEEDINGS OF MIDAS 2020

Springer Nature This book is a compilation of peer-reviewed papers presented at the International Conference on Machine Intelligence and Data Science Applications, organized by the School of Computer Science, University of Petroleum & Energy Studies, Dehradun, India, during 4-5 September 2020. The book addresses the algorithmic aspect of machine intelligence which includes the framework and optimization of various states of algorithms. Variety of papers related to wide applications in various fields like data-driven industrial IoT, bioinformatics, network and security, autonomous computing and various other aligned areas. The book concludes with interdisciplinary applications like legal, health care, smart society, cyber-physical system and smart agriculture. All papers have been carefully reviewed. The book is of interest to computer science engineers, lecturers/researchers in machine intelligence discipline and engineering graduates.

MILK AND DAIRY PRODUCTS IN HUMAN NUTRITION

Food and Agriculture Organization Milk and dairy products are a vital source of nutrition for many people. They also present livelihood opportunities for farm families, processors and other stakeholders in dairy value chains. Consumers, industry and governments need up-to-date information on how milk and dairy products can contribute to human nutrition and how dairy-industry development can best contribute to increasing food security and alleviating poverty. This publication is unique in drawing together information on nutrition, and dairy-industry development, providing a rich source of useful material on the role of dairy products in human nutrition and the way that investment in dairy-industry development has changed.

CANCER CHEMOTHERAPY AND BIOTHERAPY

PRINCIPLES AND PRACTICE

Lippincott Williams & Wilkins Updated to include the newest drugs and those currently in development, this Fifth Edition is a comprehensive reference on the preclinical and clinical pharmacology of anticancer agents. Organized by drug class, the book provides the latest information on all drugs and biological agents—their mechanisms of action, interactions with other agents, toxicities, side effects, and mechanisms of resistance. The authors explain the rationale for use of drugs in specific schedules and combinations and offer guidelines for dose adjustment in particular situations. This edition's introduction includes timely information on general strategies for drug usage, the science of drug discovery and development, economic and regulatory aspects of cancer drug development, and principles of pharmacokinetics. Eight new chapters have been added and more than twenty have been significantly revised. A companion website includes the fully searchable text and an image bank.

DRUG PRODUCT SELECTION

STAFF REPORT TO THE FEDERAL TRADE COMMISSION

DEVELOPMENT ECONOMICS THROUGH THE DECADES

A CRITICAL LOOK AT THIRTY YEARS OF THE WORLD DEVELOPMENT REPORT

World Bank Publications 'This volume not only offers an invaluable retrospective of the World Bank's best thinking on development but also has the analytical caliber and policy insights to become an indispensable source for those dealing with the present and future growth and equity challenges faced by the developing countries.' -- Ernesto Zedillo

DRUG INFORMATION

A GUIDE FOR PHARMACISTS

McGraw Hill Professional Extensive coverage of the Internet as a source of and distribution means for drug information, and detailed sections on evaluating medical literature from clinical trials Audience includes Pharmacists, Pharmacy students and Pharmacy schools Updated to include using PDAs for medication information Covers the ethical and legal aspects of drug information management Nothing else like it on the market

IMAGING OF SOFT TISSUE TUMORS

Springer Science & Business Media This richly illustrated revised second edition provides a comprehensive survey of the growing role of medical imaging studies in the detection, staging, grading, tissue characterization, and post-treatment follow-up of soft tissue tumors. For each tumor group, imaging findings are correlated with clinical, epidemiologic, and histologic data. The relative merits and indications of various imaging modalities are discussed and compared. Particular emphasis is placed on MRI. The updated edition includes new chapters on soft tissue lymphoma, soft tissue tumors in the pediatric patient and biopsy of soft tissue tumors. It aims to serve both as a systematic, descriptive textbook and as a rich pictorial database of soft tissue masses.

CLOHERTY AND STARK'S MANUAL OF NEONATAL CARE

Lippincott Williams & Wilkins Concise and easy to read, this popular manual has provided a practical approach to the diagnosis and medical management of problems in the newborn through seven outstanding editions. The Eighth Edition of Cloherty and Stark's Manual of Neonatal Care maintains that tradition of excellence, offering NICU physicians, neonatal-perinatal fellows, residents, and neonatal nurse practitioners quick access to key clinical information, fully updated to reflect recent advances in the field. Written in an easy-access outline format, this extensively revised edition covers current, practical approaches to the evaluation and management of routine and complex conditions encountered in the fetus and the newborn.

QUALITY CONTROL OF HERBAL DRUGS

AN APPROACH TO EVALUATION OF BOTANICALS

EVIDENCE-BASED VALIDATION OF HERBAL MEDICINE

Elsevier Evidence-Based Validation of Herbal Medicines brings together current thinking and practice in the areas of characterization and validation of natural products. This book reviews all aspects of evaluation and development of medicines from plant sources, including their cultivation, collection, phytochemical and phyto-pharmacological evaluation, and therapeutic potential. Emphasis is placed on describing the full range of evidence-based analytical and bio-analytical techniques used to characterize natural products, including -omic technologies, phyto-chemical analysis, hyphenated techniques, and many more. Includes state-of-the-art methods for detecting, isolating, and performing structure elucidation by degradation and spectroscopic techniques Covers biosynthesis, synthesis, and biological activity related to natural products Consolidates information to save time and money in research Increases confidence levels in quality and validity of natural products

HEALTHCARE AS A HUMAN RIGHTS ISSUE

NORMATIVE PROFILE, CONFLICTS AND IMPLEMENTATION

transcript Verlag This book deals with various facets of the human right to health: its normative profile as a universal right, current political and legal conflicts and contextualized implementation in different healthcare systems. The authors come from different countries and disciplines - law, political science, ethics, medicine etc. - and bring together a broad variety of academic and practical perspectives. The volume contains selected contributions of the international conference "The Right to Health - an Empty Promise?" held in September 2015 in Berlin and organized by the Emerging Field Initiative Project "Human Rights in Healthcare" (University of Erlangen-Nürnberg).

FLESH AND FISH BLOOD

POSTCOLONIALISM, TRANSLATION, AND THE VERNACULAR

Univ of California Press In *Flesh and Fish Blood* Subramanian Shankar breaks new ground in postcolonial studies by exploring the rich potential of vernacular literary expressions. Shankar pushes beyond the postcolonial Anglophone canon and works with Indian literature and film in English, Tamil, and Hindi to present one of the first extended explorations of representations of caste, including a critical consideration of Tamil Dalit (so-called untouchable) literature. Shankar shows how these vernacular materials are often unexpectedly politically progressive and feminist, and provides insight on these oft-overlooked—but nonetheless sophisticated—South Asian cultural spaces. With its calls for renewed attention to translation issues and comparative methods in uncovering disregarded aspects of postcolonial societies, and provocative remarks on humanism and cosmopolitanism, *Flesh and Fish Blood* opens up new horizons of theoretical possibility for postcolonial studies and cultural analysis.

SUSTAINABLE FOOD PACKAGING TECHNOLOGY

John Wiley & Sons Towards more sustainable packaging with biodegradable materials! The combination of the continuously increasing food packaging waste with the non-biodegradable nature of the plastic materials that have a big slice of the packaging market makes it necessary to move towards sustainable packaging for the benefit of the environment and human health. Sustainable packaging is the type of packaging that can provide to food the necessary protection conditions, but at the same time is biodegradable and can be disposed as organic waste to the landfills in order to biodegrade through a natural procedure. In this way, sustainable packaging becomes part of the circular economy. ?Sustainable Food Packaging Technology? deals with packaging solutions that use engineered biopolymers or biocomposites that have suitable physicochemical properties for food contact and protection and originate both from renewable or non-renewable resources, but in both cases are compostable or edible. Modified paper and cardboard with increased protective properties towards food while keeping their compostability are presented as well. The book also covers natural components that can make the packaging functional, e.g., by providing active protection to the food indicating food spoilage. * Addresses urgent problems: food packaging creates a lot of hard-to-recycle waste - this book puts forward more sustainable solutions using biodegradable materials * State-of-the-art: ?Sustainable Food Packaging Technology? provides knowledge on new developments in functional packaging * From lab to large-scale applications: expert authors report on the technology aspects of sustainable packaging

NANOMEDICINE AND DRUG DELIVERY

CRC Press This forward-looking book focuses on the recent advances in nanomedicine and drug delivery. It outlines the extraordinary new tools that have become available in nanomedicine and presents an integrated set of perspectives that describe where we are now and where we should be headed to put nanomedicine devices into applications as quickly as possible, while also considering the possible dangers of nanomedicine. The book considers the full range of nanomedicinal applications that employ molecular nanotechnology inside the human body, from the perspective of a future practitioner in an era of widely available nanomedicine. Written by some of the most innovative minds in medicine and engineering, this unique volume will help professionals understand cutting-edge and futuristic areas of research that can have tremendous payoff in terms of improving human health. Readers will find insightful discussions of nanostructured intelligent materials and devices that are considered technically feasible and which have a high potential to produce advances in medicine in the near future. Topics include: Health benefits of phytochemicals and the application of colloidal delivery systems Study of non-covalent attachment of recombinant targeting proteins to polymer-modified Adenoviral gene delivery vectors The role of nanoparticles as adjuvants for mucosal vaccine delivery Poly(amido-amine)s as delivery systems for biologically active substances Antimicrobial activity of silver nanoparticles Nanomedicine in the use of cancer treatment Dendrimers, capsules based on lipid vesicles for drug delivery Many other recent achievements

REVERSE SUPPLY CHAINS

ISSUES AND ANALYSIS

CRC Press Winner of IIE Book of the Month, December 2013 The introduction of reverse supply chains has created many challenges in network design, transportation, selection of used products, selection and evaluation of suppliers, performance measurement, marketing-related issues, end-of-life (EOL) alternative selection, remanufacturing, disassembly, and product acquisition management, to name a few. Under the guidance of an expert editor and with contributions from pioneers in the field, *Reverse Supply Chains: Issues and Analysis* addresses several important issues faced by strategic, tactical, and operation planners of reverse supply chains, using efficient models in a variety of decision-making situations providing easy-to-use mathematical and/or simulation modeling-based solution methodologies for a majority of the issues. The book introduces the basic concepts of reverse logistics and systematically analyzes the literature by classifying more than 400 published references into five major types of product returns. It then identifies the basic activities and scope of reverse logistics, examining its drivers and barriers as well as major issues and challenges. The chapters cover metrics for quantitatively comparing competing new-product designs for end-of-life disassembly on a reverse production line, how to use the theory of constraints thinking processes to determine the core problems in reverse logistics, and an integrated multi-criteria decision-making methodology using Taguchi loss functions AHP (Analytic Hierarchy Process) and fuzzy programming. They explore issues associated with remanufacturing and green and resilient supply chain management and propose system modeling based on graph theory and network flows application to analyze material resource flows in the life cycle of a product. Reverse supply chains is a new and fast growing area of research and only a handful of books are on the market, however those books discuss specific projects rather than provide a cohesive focus on the topics. This book will provide a foundation and understanding of the topic and also highlight how current issues can be approached in a decision-making situation—using the appropriate technique.

POCKET ONCOLOGY

Lippincott Williams & Wilkins Attract, engage, and delight customers online! *Inbound Marketing: Attract, Engage, and Delight Customers Online* is a comprehensive guide to increasing online visibility and engagement. Written by top marketing and startup bloggers, the book contains the latest information about customer behavior and preferred digital experiences. From the latest insights on lead nurturing and visual marketing to advice on producing remarkable content by building tools, readers will gain the information they need to transform their marketing online. With outbound marketing methods beco.

STOELTING'S ANESTHESIA AND CO-EXISTING DISEASE E-BOOK

Elsevier Health Sciences A classic since its first publication nearly 25 years ago, *Stoelting's Anesthesia and Co-Existing Disease*, 7th Edition, by Drs. Roberta L. Hines and Katherine E. Marschall, remains your go-to reference for concise, thorough coverage of pathophysiology of the most common diseases and their medical management relevant to anesthesia. To provide the guidance you need to successfully manage or avoid complications stemming from pre-existing conditions there are detailed discussions of each disease, the latest practice guidelines, easy-to-follow treatment algorithms, and more. Presents detailed discussions of common diseases, as well as highlights of more rare diseases and their unique features that could be of importance in the perioperative period. Examines specific anesthesia considerations for special patient populations—including pediatric, obstetric and elderly patients. Features abundant figures, tables, diagrams, and photos to provide fast access to the most pertinent aspects of every condition and to clarify critical points about management of these medical illnesses. Ideal for anesthesiologists in practice and for anesthesia residents in training and preparing for boards. Includes brand new chapters on sleep-disordered breathing, critical care medicine and diseases of aging as well as major updates of nearly all other chapters. Covers respiratory disease in greater detail with newly separated chapters on Sleep Disordered Breathing; Obstructive Lung Disease; Restrictive Lung Disease; and Respiratory Failure. Provides the latest practice guidelines, now integrated into each chapter for quick reference.