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Epidemiology of Electromagnetic Fields Martin Roosli 2014-06-03 Appeals to a Wide Audience Fueled by more than 30 years of intensive research and debate on the impact of electromagnetic fields (EMF) on everyday life—starting with residential exposure to magnetic fields and the development of childhood cancer in the 70s and continuing with risk of exposure via wireless communications in present day—Epidemiology of Electromagnetic Fields addresses ongoing public and scientific controversy surrounding the possible effects of electromagnetic fields (EMF) to human health, and provides an in-depth introduction into the methodology of environmental epidemiology that is appropriate for all levels, from student to practicing engineer. Exposure to EMF Focusing primarily on EMF examples, the author presents the general principles and methodological concepts in environmental epidemiology. Topics of importance in the first part of the book include epidemiological study designs, exposure assessment methods and implications for the study results, as well as selection bias, confounding, and other biases including reverse causality and ecological fallacy. The second part of the book covers environmental epidemiological methods in detail and outlines key examples such as childhood leukemia and exposure to extremely low-frequency magnetic fields, as well as examples that look at brain tumors and mobile phone use. The book also offers a detailed discussion on the range of EMF sources and exposures. In addition, it highlights the sophisticated assessment methods required to address exposure situations, and provides a historical perspective. The third part of the book examines how EMF exposure from the use of wireless communication techniques and other challenges affect risk assessment today and also details future developments. Explores environmental epidemiological methods in detail, while critically discussing epidemiological findings Provides a state-of-the-art overview of the scientific evidence of the health effects of EMF Considers how novelty, the steep increase of radiofrequency (RF) EMF exposure from wireless communications, and other challenges affect risk assessment today Epidemiology of Electromagnetic Fields provides a thorough overview of the subject, and evaluates the scientific evidence surrounding the possible health effects of EMFs.

Healing Plants of Peninsular India CABI 2001 Scientific and common names (in 14 languages) are provided for each species, and they are superbly illustrated by high quality colour photographs. The book represents a landmark in the literature and will appeal to a range of readers interested in botany, horticulture, forestry and traditional medicine."--BOOK JACKET.

Independent Random Sampling Methods Luca Martino 2018-03-31 This book systematically addresses the design and analysis of efficient techniques for independent random sampling. Both general-purpose approaches, which can be used to generate samples from arbitrary probability distributions, and tailored techniques, designed to efficiently address common real-world practical problems, are introduced and discussed in detail. In turn, the monograph presents fundamental results and methodologies in the field, elaborating and developing them into the latest techniques. The theory and methods are illustrated with a varied collection of examples, which are discussed in detail in the text and supplemented with ready-to-run computer code. The main problem addressed in the book is how to generate independent random samples from an arbitrary probability distribution with the weakest possible constraints or assumptions in a form suitable for practical implementation. The authors review the fundamental results and methods in the field, address the latest methods, and emphasize the links and interplay between ostensibly diverse techniques.

Pharmaceutical Dosage Forms Larry L. Augsburger 1990-03-30

Pharmaceutical Powder Compaction Technology, Second Edition Metin Çelik 2016-04-19 Compaction of powder constituents—both active ingredient and excipients—is examined to ensure consistent and reproducible disintegration and dispersion profiles. Revised to reflect modern pharmaceutical compacting techniques, this second edition of Pharmaceutical Powder Compaction Technology guides pharmaceutical engineers, formulation scientists, and product development and quality assurance personnel through the compaction formulation process and application. This unique reference covers: The physical structure of pharmaceutical compacts Bonding phenomena that occur during powder compaction Compression mechanisms of pharmaceutical particles Theories and basic principles of powder compaction New topics include: Compaction data analysis techniques The migration of powder constituents into commercial manufacture Instrumentation for compaction Compaction functionality testing, which is likely to become a USP requirement Design space for compaction Metrics required for scalability in tablet compression Interactive compaction and preformulation database for commonly used excipients

Social and Administrative Aspects of Pharmacy in Low- and Middle-Income Countries Mohamed Izham Mohamed Ibrahim 2017-10-31 Social and Administrative Aspects of Pharmacy in Low- and Middle-Income Countries: Present Challenges and Future Solutions examines the particularities of low- and middle-income countries and offers solutions based on their needs, culture and available resources. Drawing from the firsthand experience of researchers and practitioners working in these countries, this book addresses the socio-behavioral aspects of pharmacy and health, pharmacoeconomics, pharmaceutical policy, supply management and marketing, pharmacoepidemiology and public health pharmacy specific to low- and middle-income countries. While some practices may be applied appropriately in disparate places, too often pharmacy practice in low- and middle-income countries is directly copied from successes in developed countries, despite the unique needs and challenges low- and middle-income countries face. Examines key issues and challenges of pharmacy practice and the pharmaceutical sector specific to low- and middle-income countries Compares pharmacy practice in developed and developing countries to highlight the unique challenges and opportunities of each Provides a blueprint for the future of pharmacy in low- and middle-income countries, including patient-centered care, evidence-based care and promoting the role of the pharmacist for primary health care in these settings

Health Effects of Exposure to Low Levels of Ionizing Radiation National Research Council 1990-02-01 This book reevaluates the health risks of ionizing radiation in light of data that have become available since the 1980 report on this subject was published. The data include new, much more reliable dose estimates for the A-bomb survivors, the results of an additional 14 years of follow-up of the survivors for cancer mortality, recent results of follow-up studies of persons irradiated for medical purposes, and results of relevant experiments with laboratory animals and cultured cells. It analyzes the data in terms of risk estimates for specific organs in relation to dose and time after exposure, and compares radiation effects between Japanese and Western populations.

Biological Effects of Electric and Magnetic Fields David O. Carpenter 2012-12-02 Recent concerns over the possible hazards of electrical and magnetic fields in the home and workplace are comprehensively addressed within this book. The chapters contain detailed research on the biological effects of electric and magnetic fields, and evidence for and against any interaction of electromagnetic fields (EMFs) and the biological systems. The relative risk of exposure to EMFs Putative behavioral and neural effects of EMFs

EMF effects on cells

Live Longer and Healthier with less Medication DR UCHE IFEDIBA

Oral Colon-Specific Drug Delivery David R. Friend 1992-07-27 Oral Colon-Specific Drug Delivery covers approaches used to deliver a variety of drugs to the colon. Anatomy and physiology of the gastrointestinal tract as it affects colonic drug delivery and pharmacokinetics are reviewed, as well as drug absorption from the colon. The book presents valuable information on a variety of topics, including oral peptide/protein delivery, dextran-based delivery systems, glycoside/glycosidase-based delivery, azo-bond prodrugs, hydroxypropyl methacrylamide copolymers for colonic delivery, and matrices for colonic drug delivery. Special emphasis is placed on delivery systems, especially biochemical approaches to delivery, such as the use of degradable polymers and both low and high molecular weight prodrugs. Oral Colon-Specific Drug Delivery will provide a valuable reference resource for gastroenterologists, pharmaceutical scientists, and other researchers working with drug delivery to the colon.

Handbook of Pharmaceutical Granulation Technology Dilip M. Parikh 2021-05-12 This fully revised edition of Handbook of Pharmaceutical Granulation Technology covers the rapid advances in the science of agglomeration, process control, process modelling, scale-up, emerging particle engineering technologies, along with current regulatory changes presented by some of the prominent scientist and subject matter experts around the globe. Learn from more than 50 global subject matter experts who share their years of experience in areas ranging from drug delivery and pharmaceutical technology to advances in nanotechnology. Every pharmaceutical scientist should own a copy of this fourth edition resource. Key Features: Theoretical discussions covering granulation and engineering perspectives. Covers new advances in expert systems, process modelling and bioavailability Chapters on emerging technologies in particle engineering Updated Current research and developments in granulation technologies

Trissel's Stability of Compounded Formulations Lawrence A. Trissel 2000 The only book that provides a single compilation of all currently available stability information on drugs in compounded oral, enteral, topical, and ophthalmic formulations. Based on data published over the past 40 years, the reference summarizes specific formulations and stability studies. The book assist readers in determining whether formulated compounds will be stable for the anticipated duration of use, how to properly store and repackage compounded formulations, how to formulate in accordance with documented standards, and counseling patients on the use and storage of compounded medications. The second edition thoroughly updates monographs on 280 products, and includes 674 references from the worldwide literature.

Handbook of Veterinary Pharmacology Walter H. Hsu 2013-04-25 Handbook of Veterinary Pharmacology is a clear and conciseguide to pharmacology concepts and commonly used veterinary drugs.Providing a succinct overview of veterinary pharmacology, this bookpresents information in a user-friendly outline format to allowquick access to practical drug information. With chapters coveringthe basic principles, specific drugs, interactions, and legalconsiderations, Handbook of Veterinary Pharmacology offersup-to-date information on basic and clinical veterinarypharmacology. As an aid to student comprehension, simple line drawings depictthe mechanisms of action and study questions with explanations areincluded at the end of each chapter. Appendices on withdrawal timesfor drugs in production animals and drug dosages in domesticspecies are a valuable tool, allowing quick decisions on drugtherapy. Handbook of Veterinary Pharmacology is anindispensable text for veterinary students and practitioners.

Clinician's Pocket Reference Leonard G. Gomella 2001-11-20 The original Scut Monkey Handbook is the essential survival guide to have on the wards and in the clinic * Emphasis on essential information for effective daily patient management * Up-to-date coverage of today’s treatments and management options * Eases the transition from the preclinical to the clinical years * Step-by-step information on the history and physical examination, differential diagnosis, key laboratory and diagnostic tests, and bedside procedures * Must-have answers on suturing techniques, total parenteral nutrition, respiratory care, ECGs, critical care, and emergencies * "Medications" chapter includes over 750 commonly used drugs with adult and pediatric dosages * Easy-to-read charts and tables

Current Challenges in Pharmacovigilance World Health Organization 2001-01-01 In spite of recent progress in the harmonization of terminology and processes affecting work on the clinical safety of medicines consensus is needed on standards for many difficult aspects of day-to-day pharmacovigilance that continue to pose problems for both the pharmaceutical industry and drug regulators. The CIOMS V Working Group has generated proposals for pragmatic approaches to dealing with such issues as: classification and handling of individual safety case reports from a variety of sources (spontaneous consumer reports solicited reports literature the Internet observational studies and secondary data bases disease and other registries regulatory ADR databases and licensor-licensee interactions); new approaches to case management and regulatory reporting practices (proper clinical evaluation of cases incidental vs other events patient and reporter identifiability seriousness criteria expectedness criteria case follow-up criteria and the role and structure of case narratives); improvements and efficiencies in the format content and reporting of periodic safety update reports (PSURs) (including results of an industry survey on PSUR workloads and practices; proposals for high case volume and long time-period reports simplification of certain PSURs summary bridging reports addendum reports license renewal reports for EU and Japan dealing with old products and other technical details); determination and use of population exposure (denominator) data (sources of data and a guide to analytical approaches for a variety of circumstances).The Group has also taken stock of the current state of expedited and periodic clinical safety reporting requirements around the world with summary data on regulations from more than 60 countries. Recommendations are made for enhancing the harmonization steps already taken as a result of previous CIOMS publications and the ICH process. In addition to dealing with unfinished and unresolved issues from previous CIOMS initiatives the report covers many emerging topics such as those involving new technologies. Its 20 Appendices provide a wealth of detailed explanations and reference information. It is the most comprehensive and recent treatment of difficult pharmacovigilance issues affecting the working practices and systems of drug safety and other pharmaceutical professionals.

The Textbook of Pharmaceutical Medicine John P. Griffin 2008-04-15 New edition of succesful standard reference book for the pharmaceutical industry and pharmaceutical physicians! The Textbook of Pharmaceutical Medicine is the coursebook for the Diploma in Pharmaceutical Medicine, and is used as a standard reference throughout the pharmaceutical industry. The new edition includes greater coverage of good clinical practice, a completely revised statistics chapter, and more on safety. Covers the course information for the Diploma in Pharmaceutical Medicine Fully updated, with new authors Greater coverage of good clinical practice and safety New chapters on regulation of medical devices in Europe and regulation of therapeutic products in Australia

HPLC Methods on Drug Analysis Mantu K. Ghosh 2012-12-06 The dramatic development of chromatographic techniques, specially high per formance or high pressure liquid chromatography (HPLC) has made possible the easy analysis of organic compounds, including drugs and drug components, for last two decades. This rapid increase and improvement of analytical methodology with HPLC has enabled researchers and scientists to cope with other scientific and instru mental developments in their fields of work. Thousands of impressive and original scientific publications, text books and monographs describe the techniques for drug analysis with high performance liquid chromatography. However, no concise presentation of the general proper ties of the drugs and their HPLC methodology exists together in the market. This work contains the general properties necessary for the analysis of 232 drugs as well as the HPLC methods for many other drugs and drug components. It is hoped that it will fill a gap and provide a precise survey of the HPLC methods for drug analysis. It is intended as an immediate guide in the laboratory and will be of help to the scientists, researchers and technicians in the field of analysis.

Water-soluble Resins Robert L. Davidson 1968 Authoritative survey of the natural, modified, and synthetic water-soluble resins and gums now available commercially.

Dorland's Dictionary of Medical Acronyms and Abbreviations E-Book Dorland 2015-07-24 Medical acronyms and abbreviations offer convenience, but those countless shortcuts can often be confusing. Now a part of the popular Dorland’s suite of products, this reference features thousands of terms from across various medical specialties. Its alphabetical arrangement makes for quick reference, and expanded coverage of symbols ensures they are easier to find. Effective communication plays an important role in all medical settings, so turn to this trusted volume for nearly any medical abbreviation you might encounter. Symbols section makes it easier to locate unusual or seldom-used symbols. Convenient alphabetical format allows you to find the entry you need more intuitively. More than 90,000 entries and definitions. Many new

and updated entries including terminology in expanding specialties, such as Nursing; Physical, Occupational, and Speech Therapies; Transcription and Coding; Computer and Technical Fields. New section on abbreviations to avoid, including Joint Commission abbreviations that are not to be used. Incorporates updates suggested by the Institute for Safe Medication Practices (ISMP).

Excipient Development for Pharmaceutical, Biotechnology, and Drug Delivery Systems Ashok Katdare 2006-07-28 To facilitate the development of novel drug delivery systems and biotechnology-oriented drugs, the need for new excipients to be developed and approved continues to increase. Excipient Development for Pharmaceutical, Biotechnology, and Drug Delivery Systems serves as a comprehensive source to improve understanding of excipients and forge new avenue

Promoting Safety of Medicines for Children World Health Organization 2007 Monitoring the safety of medicine use in children is of paramount importance since, during the clinical development of medicines, only limited data on this aspect are generated through clinical trials. Use of medicines outside the specifications described in the license (e.g. in terms of formulation, indications, contraindications or age) constitutes off-label and off-license use and these are a major area of concern. These guidelines are intended to improve awareness of medicine safety issues among everyone who has an interest in the safety of medicines in children and to provide guidance on effective systems for monitoring medicine safety in the pediatric populations. This book will be of interest to all health care professionals, medicine regulatory authorities, pharmacovigilance centers, academia, the pharmaceutical industry and policy-makers. Systems for monitoring medicine safety are described in Annex 1. Pharmacovigilance methods and some examples of recent information on adverse reactions to marketed medicines are discussed in Annex 2.--Publisher's description.

Handbook of Pharmaceutical Excipients Raymond C. Rowe 2009-01-01 An internationally acclaimed reference work recognized as one of the most authoritative and comprehensive sources of information on excipients used in pharmaceutical formulation with this new edition providing 340 excipient monographs. Incorporates information on the uses, and chemical and physical properties of excipients systematically collated from a variety of international sources including: pharmacopeias, patents, primary and secondary literature, websites, and manufacturers' data; extensive data provided on the applications, licensing, and safety of excipients; comprehensively cross-referenced and indexed, with many additional excipients described as related substances and an international supplier's directory and detailed information on trade names and specific grades or types of excipients commercially available.

Excipient Applications in Formulation Design and Drug Delivery Ajit S Narang 2015-10-07 In recent years, emerging trends in the design and development of drug products have indicated ever greater need for integrated characterization of excipients and in-depth understanding of their roles in drug delivery applications. This book presents a concise summary of relevant scientific and mechanistic information that can aid the use of excipients in formulation design and drug delivery applications. Each chapter is contributed by chosen experts in their respective fields, which affords truly in-depth perspective into a spectrum of excipient-focused topics. This book captures current subjects of interest – with the most up to date research updates – in the field of pharmaceutical excipients. This includes areas of interest to the biopharmaceutical industry users, students, educators, excipient manufacturers, and regulatory bodies alike.

Issues in Applied Physics: 2012 Edition 2013-01-10 Issues in Applied Physics / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Radiation Research. The editors have built Issues in Applied Physics: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Radiation Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Applied Physics: 2012 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Desk Reference of Clinical Pharmacology, Second Edition Manuchair Ebadi 2007-10-31 Since the publication of the bestselling first edition of CRC Desk Reference of Clinical Pharmacology, dramatic discoveries in molecular medicine along with rapid technological advances have revolutionized the diagnosis and resulted in new medications to be used in the treatment of a broad range of human diseases. To stay abreast of these rapidly emerging drugs and novel avenues of treatment constant vigilance is required. Specifically prepared for healthcare professionals, Desk Reference of Clinical Pharmacology, Second Edition offers the most authoritative, comprehensive, informative, and useful book to include all drugs used in clinical practice. New to the Second Edition— · Novel therapies including the use of peptides in the treatment of peptic ulcers and IBS as well as new information on the use of melatonin in sleep disorders · Discoveries in molecular medicine, such as suicide gene therapy, monoclonal antibodies, and drug interference with signal transduction pathway therapeutics The book offers concise and informative A-Z drug facts in an encyclopedia format and contains brief descriptions of conditions, diseases, and disorders presented along with their applicable treatments. The completely expanded introductory chapters contain short review entries on the pharmacokinetic basis of therapeutics, concepts of pharmacodynamics, and the principles of drug-drug interactions and drug-food interactions. They include discussions on state-of-the-art treatments such as immunotherapy of cancer, antisense therapies, suicide gene therapy, and pharmacogenomics, which is leading to tailor-made drugs based on genetic makeup. The second edition of the Desk Reference of Clinical Pharmacology contains more entries, up-to-date information on revolutionizing therapeutics, and an exhaustive list of maladies and their treatments. It is a definitive reference for any member of a healthcare delivery team and a valuable resource for those involved in the study of clinical pharmacology.

The Pearson Guide To GPAT and other Entrance Examination in Pharmacy Umang H Shah 2017 The Pearson Guide to GPAT and Other Competitive Examinations in Pharmacy• The entire book is divided into six modules as per GPAT syllabus which also covers thesyllabus of all other entrance examinations like NIPER, MAHCET and GUJCET and MANIPAL

Polyvinylpyrrolidone Excipients for Pharmaceuticals Volker Bühler 2005 The book describes the properties, analytical methods and the applications of different polyvinylpyrrolidone excipients (povidone, crospovidone, copovidone etc.) for use in pharmaceutical preparations. This group of excipients is one of the most important excipients used in modern technology to produce drugs. The book is intended for all persons working in the research, development and quality control of drugs. It gives a survey of all applications in solid, liquid and semisolid dosage forms including many drug formulation examples and more than 600 references to the literature.

Basic Pharmacology Maria A. Hernandez, Ph.D. 2006-02-14 Intended for use in an introductory pharmacology course, Basic Pharmacology: Understanding Drug Actions and Reactions provides an in-depth discussion of how to apply the chemical and molecular pharmacology concepts, a discussion students need for more advanced study. The textbook introduces the principles of chemistry and biology necessary to understand drug interactions at the cellular level. The authors highlight chemical and physical properties of drugs, drug absorption and distribution, drug interactions with cellular receptors, and drug metabolism and elimination. The book begins with a review of chemical principles as they apply to drug molecules, focusing mainly on those for commonly prescribed drugs. The authors use drug structures to illustrate the chemical concepts learned in general and organic chemistry courses. They cover the dynamics of receptors in mediating the pharmacological effects of drugs. They clarify theories, drawn from the scientific literature, which explain drug-receptor interactions and the quantitative relationship between drug binding and its effects at the cellular level. The authors’ extensive use of drug structures for teaching chemical and molecular pharmacology principles, and their emphasis on the relevance of these principles in future professional life makes this book unique. It provides the framework for better understanding of advanced pharmacology and therapeutics topics. Blending medicinal chemistry and pharmacodynamics aspects, this textbook clearly elucidates the essential concepts that form the cornerstone for further work in pharmacology.

Dirty Electricity Samuel Milham, MD, MPH 2012-12-06 When Thomas Edison began wiring New York City with a direct current electricity distribution system in the 1880s, he gave humankind the magic of electric light, heat, and power; in the process, though, he inadvertently opened a Pandora’s Box of unimaginable

illness and death. Dirty Electricity tells the story of Dr. Samuel Milham, the scientist who first alerted the world about the frightening link between occupational exposure to electromagnetic fields and human disease. Milham takes readers through his early years and education, following the twisting path that led to his discovery that most of the twentieth century diseases of civilization, including cancer, cardiovascular disease, diabetes, and suicide, are caused by electromagnetic field exposure. In the second edition, he explains how electrical exposure does its damage, and how electricity is causing our current epidemics of asthma, diabetes and obesity. Dr. Milham warns that because of the recent proliferation of radio frequency radiation from cell phones and towers, terrestrial antennas, Wi-Fi and Wi-max systems, broadband internet over power lines, and personal electronic equipment, we may be facing a looming epidemic of morbidity and mortality. In Dirty Electricity, he reveals the steps we must take, personally and as a society, to coexist with this marvelous but dangerous technology.

Chitosan-Based Systems for Biopharmaceuticals Bruno Sarmento 2012-02-16 Chitosan is a linear polysaccharide commercially produced by the deacetylation of chitin. It is non-toxic, biodegradable, biocompatible, and acts as a bioadhesive with otherwise unstable biomolecules - making it a valuable component in the formulation of biopharmaceutical drugs. Chitosan-Based Systems for Biopharmaceuticals provides an extensive overview of the application of chitosan and its derivatives in the development and optimisation of biopharmaceuticals. The book is divided in four different parts. Part I discusses general aspects of chitosan and its derivatives, with particular emphasis on issues related to the development of biopharmaceutical chitosan-based systems. Part II deals with the use of chitosan and derivatives in the formulation and delivery of biopharmaceuticals, and focuses on the synergistic effects between chitosan and this particular subset of pharmaceuticals. Part III discusses specific applications of chitosan and its derivatives for biopharmaceutical use. Finally, Part IV presents diverse viewpoints on different issues such as regulatory, manufacturing and toxicological requirements of chitosan and its derivatives related to the development of biopharmaceutical products, as well as their patent status, and clinical application and potential. Topics covered include: chemical and technological advances in chitins and chitosans useful for the formulation of biopharmaceuticals physical properties of chitosan and derivatives in sol and gel states absorption promotion properties of chitosan and derivatives biocompatibility and biodegradation of chitosan and derivatives biological and pharmacological activity of chitosan and derivatives biological, chemical and physical compatibility of chitosan and biopharmaceuticals approaches for functional modification or crosslinking of chitosan use of chitosan and derivatives in conventional biopharmaceutical dosage forms manufacture techniques of chitosan-based microparticles and nanoparticles for biopharmaceuticals chitosan and derivatives for biopharmaceutical use: mucoadhesive properties chitosan-based systems for mucosal delivery of biopharmaceuticals chitosan-based delivery systems for mucosal vaccination chitosan-based nanoparticulates for oral delivery of biopharmaceuticals chitosan-based systems for ocular delivery of biopharmaceuticals chemical modification of chitosan for delivery of DNA and siRNA target-specific chitosan-based nanoparticle systems for nucleic acid delivery functional PEGylated chitosan systems for biopharmaceuticals stimuli-sensitive chitosan-based systems for biopharmaceuticals chitosan copolymers for biopharmaceuticals application of chitosan for anti-cancer biopharmaceutical delivery chitosan-based biopharmaceuticals scaffolds in tissue engineering and regenerative medicine wound healing properties of chitosan and its use in wound dressing biopharmaceuticals toxicological properties of chitosan and derivatives for biopharmaceutical applications regulatory status of chitosan and derivatives patentability and intellectual property issues quality control and good manufacturing practice preclinical and clinical use of chitosan and derivatives for biopharmaceuticals Chitosan-Based Systems for Biopharmaceuticals is an important compendium of fundamental concepts, practical tools and applications of chitosan-based biopharmaceuticals for researchers in academia and industry working in drug formulation and delivery, biopharmaceuticals, medicinal chemistry, pharmacy, bioengineering and new materials development.

Pharmacodynamic Basis of Herbal Medicine Manuchair Ebadi 2010-12-12 HERBAL MEDICINE FROM A WESTERN POINT OF VIEW Herbal remedies have become a major factor in American health care. Botanicals like Ginseng, Ma Huang, St. John's Wort, and Valerian are now household words throughout the world. Since many of these natural drugs are sold over the counter, often consumers mistakenly assume that they are completely

Electricity and Magnetism in Biology and Medicine Ferdinando Bersani 2012-12-06 This book, a selection of the papers presented at the 2nd World Congress for Electricity and Magnetism, provides state-of-the-art information on applications of electricity and electromagnetic fields on living organisms, especially man.

Dosage Form Design Considerations 2018-07-28 Dosage Form Design Parameters, Volume I, examines the history and current state of the field within the pharmaceutical sciences, presenting key developments. Content includes drug development issues, the scale up of formulations, regulatory issues, intellectual property, solid state properties and polymorphism. Written by experts in the field, this volume in the Advances in Pharmaceutical Product Development and Research series deepens our understanding of dosage form design parameters. Chapters delve into a particular aspect of this fundamental field, covering principles, methodologies and the technologies employed by pharmaceutical scientists. In addition, the book contains a comprehensive examination suitable for researchers and advanced students working in pharmaceuticals, cosmetics, biotechnology and related industries. Examines the history and recent developments in drug dosage forms for pharmaceutical sciences Focuses on physicochemical aspects, prefomulation solid state properties and polymorphism Contains extensive references for further discovery and learning that are appropriate for advanced undergraduates, graduate students and those interested in drug dosage design

The Quick and the Dead Richard van Emden 2012-06-07 There have been many books on the soldiers who fought and died in the First World War - The Quick and the Dead is the first history of the wives and children who were left behind.

A Textbook of Clinical Pharmacology Howard John Rogers 1981

Natural Polymers Maya J. John 2012 This two volume set provides a valuable reference on natural polymer composites, including both natural and protein fibres, and natural polymer nanocomposites.

Health Effects of Exposure to Powerline-frequency Electric and Magnetic Fields Texas. Electro-Magnetic Health Effects Committee 1992

Powder Mixing B.H. Kaye 1997-09-30 The operation of a powder mixer requires a knowledge not only of the mixing mechanisms but of the physical properties of the powders being mixed. Powder Mixing is unique in that it explores the relevant physics of the powder systems including characterization procedures and rheology, and contains an extensive review of different methods that have been employed to study the structure of mixtures. The techniques for achieving structured mixtures such as microencapsulation, and recent developments in deterministic chaos theory and fractal geometry as applied to the study of powder mixing systems, are reviewed. In particular, new techniques for studying the mixing powders based on avalanching theory and critically self-organized systems are studied. These are followed by a review of the wide range of different mixers commercially available and an extensive bibliography. Powder Mixing is an essential reference for all those interested in the basic science of powder mixing and the availability of industrial systems to achieve a mixture of different kinds. The main emphasis of the text is on working principles and operative systems, and is suitable for industrial workers, chemical engineers and students alike.

Pharmaceutical Excipients Otilia M. Y. Koo 2016-10-03 This book provides an overview of excipients, their functionalities in pharmaceutical dosage forms, regulation, and selection for pharmaceutical products formulation. It includes development, characterization methodology, applications, and up-to-date advances through the perspectives of excipients developers, users, and regulatory experts. Covers the sources, characterization, and harmonization of excipients: essential information for optimal excipients selection in pharmaceutical development Describes the physico-chemical properties and biological effects of excipients Discusses chemical classes, safety and toxicity, and formulation Addresses recent efforts in the standardization and harmonization of excipients

Quantitative X-Ray Diffractometry Lev S. Zevin 2012-12-06 One of the most important techniques for determining the atomic structure of a material is X-ray diffraction. One of the great problems of the technique, however, is the fact that only the intensity of the diffraction pattern can be measured, not its phase. The inverse problem, of determining the structure from the pattern thus contains ambiguities that

must be resolved by other means. Quantitative X-ray analysis provides one way to resolve this phase problem: mixing the material in question with a material of known structure yields interferences that can be analyzed to yield the unknown phases. Invented in 1916, but little used at the time, the technique has seen a recent revival due to the development of extremely precise X-ray diffractometers coupled with powerful computers.