2012 Edition Of Emdex

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.

A good number of misconceptions are currently circulating on the effects of non-ionizing radiations on our health, which can lead to an oversimplification of the issue, to potentially dangerous assumptions or to misleading data analysis. Health effects may be exaggerated, or on the contrary underplayed. The authors of this work (doctors, engineers and researchers) have endeavored to supply validated and easily understandable scientific information on the electromagnetic fields and their biological and health effects. After a general review of the physics of the waves and a presentation of non-ionizing radiations, the authors review the main emission sources encountered in our daily environment. They summarize simply but as accurately as possible the current knowledge on their biological effects. The safety limits recommended by international organizations are presented for the different frequency ranges. This book is intended for doctors, teachers, scientists, students, policy makers and anyone else interested in a deeper understanding of the health effects of electromagnetic fields. Intended to serve a broad readership, everyone will approach it according to their respective level of curiosity and knowledge. It is neither an exhaustive inventory of all the studies made to date, nor a survey text focusing only on some chosen studies. Nor is the objective to present all the sources of non-ionizing radiations. Interested readers will be given the opportunity to broaden their knowledge, also by consulting the selected bibliography presented by the authors at the end of each chapter.

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.

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.

Authoritative survey of the natural, modified, and synthetic water-soluble resins and gums now available commercially.

eaders will find this book to be the most comprehensive source on pharmaceutical dosage forms and drug delivery systems. Physical Pharmacy Capsules highlight key concepts with boxes, providing easy reference. Reflecting traditional pharmaceutics pedagogy, the new edition is organized by dosage form rather than by route of administration

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.

A practical guide for the treatment of common diseases, this updated edition includes the very latest information. It covers the treatment of disease by drug therapy and uses case studies to illustrate the application of the principles discussed

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.

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.

While menopause in women is a well-established and well documented phenomenon, the andropause in men is a relatively new concept. The terms male menopauseand andropausesuggest that this is an abrupt phenomenon related to a sudden deprivation of sex hormones. Unlike the menopause, which has a relatively sudden onset, the andropause appears to be a gradual process. It has been hypothesized that an androgen deficiency might develop with aging. Androgens and the Aging Male explores this hypothesis. The book focuses on the gradually progressive problems related to the decline in androgens that can occur with advancement of age. It examines the debate about the extent to which an age-dependent decline in androgens leads to health problems that affect or impair the quality of life, and the theory behind it. In addition, it reviews studies evaluating the effects of androgen supplementation. Androgens and the Aging Male comprehensively covers androgen function and how it changes over time.

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.

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

The application of drug delivery is a valuable, cost-effective lifecycle management resource. By endowing drugs with new and innovative therapeutic benefits, drug delivery systems extend products’ profitable lifecycle, giving pharmaceutical companies competitive and financial advantages, and providing patients with improved medications. Formulation development is now being used to create new dosage forms for existing products, which not only reduces the time and expense involved in new drug development, but also helps with regard to patent protection and bypassing existing patents. Today’s culture demands convenience, a major factor determining adherence to drug therapy. Over the past few years, patient convenience-oriented research in the field of drug delivery has yielded a range of innovative drug-delivery options. As a result, various drug-delivery systems, including medicated chewing gums, oral dispersible tablets, medicated lozenges and lollipops, have now hit the market and are very popular. These dosage forms offer a highly convenient way to dose medications, not only for special population groups with swallowing difficulties, such as children and the elderly, but for the general populace as well. This book provides valuable insights into a number of formulation design approaches that are currently being used, or could be used, to provide new benefits from existing drug molecules.

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.

A collection of recommended procedures for analysis and specifications for the determination of pharmaceutical substances, excipients and dosage forms intended to serve as source material for reference by any WHO member state.

Issues in Applied Physics: 2012 EditionScholarlyEditions

Through a biophysical approach, Electromagnetic Fields in Biology and Medicine provides state-of-the-art knowledge on both the biological and therapeutic effects of Electromagnetic Fields (EMFs). The reader is guided through explanations of general problems related to the benefits and hazards of EMFs, step-by-step engineering processes, and basic results obtained from laboratory and clinical trials. Basic biological mechanisms reviewed by several authors lead to an understanding of the effects of EMFs on microcirculation as well as on immune and anti-inflammatory responses. Based upon investigational mechanisms for achieving potential health benefits, various EMF medical applications used around the world are presented. These include the frequent use of EMFs in wound healing and cartilage/bone repair as well as use of EMFs in pain control and inhibition of cancer growth. Final chapters cover the potential of using the novel biophysical methods of electroporation and nanoelectroporation in electrochemotherapy, gene therapy, and nonthermal ablation. Also covered is the treatment of tendon injuries in animals and humans. This book is an invaluable tool for scientists, clinicians, and medical and engineering students.

The second revised edition of this text will update and present current state of the art clinical approaches to this subject. This book will continue to be the source text of information on drug-induced movement disorders authored and edited by the pioneers in the field. It will be an invaluable addition to the library of any neurologist.

This volume evaluates possible carcinogenic hazards from exposures to static and extremely low frequency (ELF) electric and magnetic fields. It is the first of two IARC Monographs volumes on various kinds of non-ionizing radiation. Extremely low frequency (ELF) magnetic field exposures result from proximity to electric power transmission lines, household wiring, and electric appliances and are in addition to the exposure that results from the earth's magnetic field. Overall, extremely low frequency magnetic fields were evaluated as possibly carcinogenic to humans (Group 2B). Static magnetic fields and static and extremely low frequency electric fields could not be classified as to carcinogenicity to humans (Group 3).

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

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

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.

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.

If you understand how drugs work (pharmacodynamics), how they are handled by the body (pharmacokinetics), how they interact with each other, and how drug treatments are assessed, then you will become a better prescriber. A Textbook of Clinical Pharmacology and Therapeutics gives you that understanding. Fully revised throughout and extensively illustrated, the fifth edition of this well-established textbook has been streamlined to focus on what medical students and junior doctors really need to know in order to understand the implications of prescribing one drug over, or in combination with, another. The text provides current information on all areas of drug prescribing with updated discussion and guidance on such topics as adverse drug reactions, 'personalized medicine', gene and cell-based therapy, advances in cancer therapy, and mechanisms of drug action and treatment guidelines in HIV and mycobacterial infections therapy. A new chapter on alternative medicines and nutraceuticals has been

introduced and Further Reading lists have been updated to include key medical websites. All medical students and junior doctors who read this book will learn not only how to use drugs safely and effectively, but, importantly, the rationale behind effective prescribing decisions.

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/.

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 biological systems. The relative risk of exposure to EMFs Putative behavioral and neural effects of EMFs EMF effects on cells

Completely updated and enlarged to three volumes (originally published as two volumes), the Second Edition of Pharmaceutical Dosage Forms: Parenteral Medications examines every important aspect of sterile drug products. This volume (3) offers comprehensive coverage of medical devices, quality assurance and regulatory issues.;This in-depth reference and text: discusses regulatory requirements in record-keeping based on the US Food and Drug Administration's (FDA) Current Good Manufacturing Practices; places special emphasis on methods of detecting, counting and sizing particles; offers new perspectives on contemporary validation concepts and how they affect the validation process; explains current FDA enforcement activities, the voluntary compliance policy, select court cases, and how these relate to parenterals; provides recent materials on the use of audits as a means of verifying the efficacy of manufacturing control systems; highlights new US regulations for medical devices; and examines quality assurance, including new information on biological control tests for medical device materials.;With the contributions of leading experts, volume 3 of Pharmaceutical Dosage Forms: Parenteral Medications is intended as a day-to-day reference for pharmacists, medical device manufacturers, quality control and regulatory personnel, chemists and drug patent and litigation attorneys, as well as a text for upper-level undergraduate, graduate and continuing-education students in the pharmaceutical sciences.

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

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.

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

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

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

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.

Stressing the theory involved in formulating suspensions, emulsions, and colloidal drug products, this Second Edition of a well-received reference test highlights typical formulations, the avoidance of formulation pitfalls, and compliance with established regulatory principles.