British Pharmacopoeia 2005

This book continues as volume 7 of a multi-compendium on Edible Medicinal and Non-Medicinal Plants. It covers plant species with edible flowers from families Acanthaceae to Facaceae in a tabular form and seventy five selected species from Amaryllidaceae, Apocynaceae, Asclepiadaceae, Asparagaceae, Asteraceae, Balsaminaceae, Begoniaceae, Bignoniaceae, Brassicaceae, Cactaceae, Calophyllaceae, Caprifoliaceae, Caryophyllaceae, Combretaceae, Convolvulaceae, Costaceae, Doryanthaceae and Fabaceae in detail. This work will be of significant interest to scientists, medical practitioners, pharmacologists, ethnobotanists, horticulturists, food nutritionists, botanists, agriculturists, conservationists, lecturers, students and the general public. Topics covered include: taxonomy; common/English and vernacular names; origin and distribution; agroecology; edible plant parts and uses; botany; nutritive/pharmacological properties, medicinal uses, nonedible uses; and selected references.

The authoritative and comprehensive modern textbook on western herbal medicine - now in its second edition This long-awaited second edition of Principles and Practice of Phytotherapy covers all major aspects of herbal medicine from fundamental concepts, traditional use and scientific research

through to safety, effective dosage and clinical applications. Written by herbal practitioners with active experience in clinical practice, education, manufacturing and research, the textbook is both practical and evidence based. The focus, always, is on the importance of tailoring the treatment to the individual case. New insights are given into the herbal management of approxiately 100 modern ailments, including some of the most challenging medical conditions, such as asthma, inflammatory bowel disease and other complex autoimmune and inflammatory conditions, and there is vibrant discussion around the contribution of phytotherapy in general to modern health issues, including health ageing. Fully referenced throughout, with more than 10, 000 citations, the book is a core resource for students and practitioners of phytotherapy and naturopathy and will be of value to all healthcare professionals - pharmacists, doctors, nurses - with an interest in herbal therapeutics. 50 evidence-based monographs, including 7 new herbs Rational guidance to phytotherapeutic strategies in the consulting room New appendices provide useful information on topics such as herbal actions, dosage in children and reading and interpreting herbal clinical trials Comprehensive revision of vital safety data, including an extensive herb-drug interaction chart. 50 evidence-based monographs, including 7 new herbs Rational guidance to phytotherapeutic

strategies in the consulting room New appendices provide useful information on topics such as herbal actions, dosage in children and reading and interpreting herbal clinical trials Comprehensive revision of vital safety data, including an extensive herb-drug interaction chart.

This two-volume work presents comprehensive, accurate information on the present status and contemporary development in phycoremediation of various types of domestic and industrial wastewaters. The volume covers a mechanistic understanding of microalgae based treatment of wastewaters, including current challenges in the treatment of various organic and inorganic pollutants, and future opportunities of bioremediation of wastewater and industrial effluents on an algal platform. The editors compile the work of authors from around the globe, providing insight on key issues and state-of-the-art developments in algal bioremediation that is missing from the currently available body of literature. The volume hopes to serve as a much needed resource for professors, researchers and scientists interested in microalgae applications for wastewater treatment. Volume 1 focuses on the different aspects of domestic and industrial wastewater treatment by microalgae. The case studies include examples such as genetic technologies as well as the development and efficient use of designer consortia for enhanced

utilization of microalgae. This volume provides thorough and comprehensive information on removal of persistent and highly toxic contaminants such as heavy metals, organic pesticides, polyaromatic hydrocarbons, endocrine disruptors, pharmaceutical compounds, and dyes from wastewater by microalgae, diatoms, and blue-green algae. Design considerations for algal ponds and efficient use of photobioreactors and HRAPs for wastewater treatment are some other highlights. This volume addresses the applications, potentials, and future opportunities for these various considerations in water pollution mitigation using algal technologies. This volume is devoted to descriptions of non medical as well as medical uses for some drugs that have typically, or not so typically, been associated with drug abuse. One major objective of this book is to identify costs and benefits of drug abuse. The book highlights drugs including 3,4 methylenedioxymethamphetamine (MDMA), cannabinoids, opioids and methylphenidate because of their well-documented potential for abuse and provides new and emerging evidence of their potential to treat some chronic disease states alongside the potential consequences of exposure. Completely revised and updated to reflect the significant advances in pharmaceutical production and regulatory expectations, this third edition of Validation of Pharmaceutical Processes examines

and blueprints every step of the validation process needed to remain compliant and competitive. The many chapters added to the prior compilation examine va

Although capillary electrophoresis (CE) technology has evolved quickly from the research laboratory into practical application in numerous fields, many scientists still debate its merits. While the body of international CE literature continues to expand dramatically, experts still question whether it has provided the speed, resolving power, peak capacity, sensitivity, robustness, and cost-reduction promised by its pioneers. Responding to these criticisms, this third edition brings together cutting-edge researchers to demonstrate the utility of CE across a broad spectrum of disciplines including— Forensic science Medical diagnostics Pharmaceutical science Genetic analysis Biotechnology Fluid mechanics Environmental science Biomedical research Nanotechnology Proteomics Detailed Analysis of New Methodologies and Applications Eagerly awaited by researchers and technicians who transformed the first two editions into bestsellers, this latest volume once again delivers. Emphasizing microseparations and microfluidics, the Handbook of Capillary and Microchip Electrophoresis, Third Edition features new chapters describing the use of microchip electrophoresis and associated microtechniques, with a focus on the extraordinary

breadth of work undertaken to expand CE methodologies in recent years. Aided by contributions from leading international experts, this text remains a seminal reference for numerous chemistry, biology, and engineering fields.

The British Pharmacopoeia has provided official standards for the quality of substances, medicinal products and articles used in medicine since its first publication in 1864. It is used in over 100 countries and remains an essential global reference in pharmaceutical research and development and quality control. This book explores how these standards have been achieved through a comprehensive review of the history and development of the pharmacopoeias in the UK, from the early London, Edinburgh and Dublin national pharmacopoeias to the creation of the British Pharmacopoeia and its evolution over 150 years. Trade in medicinal substances and products has always been global, and the British Pharmacopoeia is placed in its global context as an instrument of the British Empire as it first sought to cover the needs of countries such as India and latterly as part of its role in international harmonisation of standards in Europe and elsewhere. The changing contents of the pharmacopoeias over this period reflect the changes in medical practice and the development of dosage forms from products dispensed by pharmacists to commercially manufactured products, from tinctures to the latest monoclonal antibody products. The book will be of equal value to historians of medicine and pharmacy as to practitioners of medicine, pharmacy and pharmaceutical analytical chemistry.

The School of Pharmacy, University of London: Medicines, Science and Society, 1842-2012 represents the rich history of the University of London School of Pharmacy through numerous color photographs, important advances in the pharmacy profession, cultural milestones, biographies and more. Written in an engaging and authoritative style, this book depicts the chronological history of the school from its establishment in 1842 to the present day with a nod toward its aspirations for the future. By highlighting key periods in the school's history and showing their connection to the wider world, this book truly commemorates the heritage of the School of Pharmacy and its cutting-edge role in pharmacy innovation, research and education. Highlights the history of the school, its buildings, courses, staff and students Incorporates high-quality historical photographs, timelines, biography boxes and important pharmacy milestones, such as critical legislation, changes to educational standards, key developments and more in order to enrich the narrative Explores the interplay between the school and the developing pharmacy world to illustrate its involvement in important pharmacy innovation, educational development, research advances and much more Features a foreword from Her Royal Highness, Princess Anne, Chancellor of the University of London

Volumes in this widely revered series present comprehensive reviews of drug substances and additional materials, with critical review chapters that summarize information related to the characterization of drug substances and excipients. This organizational

structure meets the needs of the pharmaceutical community and allows for the development of a timely vehicle for publishing review materials on this topic. The scope of the Profiles series encompasses review articles and database compilations that fall within one of the following six broad categories: Physical profiles of drug substances and excipients; Analytical profiles of drug substances and excipients; Drug metabolism and pharmacokinetic profiles of drug substances and excipients; Methodology related to the characterization of drug substances and excipients; Methods of chemical synthesis; and Reviews of the uses and applications for individual drug substances, classes of drug substances, or excipients. Presents comprehensive reviews covering all aspects of drug development and formulation of drugs Profiles creatine monohydrate and fexofenadine hydrochloride, as well as five others Meets the information needs of the drug development community An introduction to pharmaceutical chemistry for undergraduate pharmacy, chemistry and medicinal chemistry students. Essentials of Pharmaceutical Chemistry is a chemistry introduction that covers all of the core material necessary to provide an understanding of the basic chemistry of drug molecules. Now a core text on many university courses, it contains numerous worked examples and problems. The 4th edition includes new chapters on Chromatographic Methods of Analysis, and Medicinal Chemistry - The Science of Drug Design. Intravenous Therapy in Nursing Practice provides a comprehensive guide to the management of intravenous therapy in nursing, and explores all aspects of

intravenous therapy in both hospital and community settings. It addresses core clinical skills, including the preparation and administration of intravenous drugs, peripheral venous access, acute and long term central venous access, and paediatric intravenous therapy. The book also explores relevant anatomy and physiology, fluid and electrolyte balance, pharmacological aspects and legal and ethical issues, in order to equip nurses with the skills and knowledge needed in order to provide safe and effective care. • Addresses key specialist skills, including blood transfusion, parenteral nutrition and safe administration of cytotoxic drugs • A definitive text for nurses working in the hospital and the community • Contains contributions from leading nurse practitioners Intravenous Therapy in Nursing Practice is an essential resource for nurses and health professionals working in intravenous therapy.

This book details: 1. Development and validation of a HPTLC-densitometric method for concurrent estimation of metformin hydrochloride, pioglitazone hydrochloride and gliclazide in combined dosage form. 2. Development and validation of a HPTLC method for simultaneous estimation of moxifloxacin hydrochloride and dexamethasone sodium phosphate in combined pharmaceutical dosage form. 3. Development and validation of a RP-HPLC method for simultaneous estimation of ciprofloxacin hydrochloride and dexamethasone in combined dosage form, which is a better alternative to existing ones. The developed analytical methods are simple, selective, accurate, robust, and precise with shorter analysis time for the

analysis of drug/s in combined pharmaceutical dosage forms. All the developed HPTLC and HPLC methods have been validated as per ICH Q2 (R1) guideline. Developed analytical methods could boost analytical researchers to work more efficiently in the field of analytical method development and validation of Pharmaceutical dosage forms.

British Pharmacopoeia 2005Stationery Office/Tso

Winner of the James A. Duke Award for Excellence in Botanical Literature Award from the American Botanical CouncilCompiled by the American Herbal Pharmacopoeia, this volume addresses the lack of authoritative microscopic descriptions of those medicinal plant species currently in trade. It includes an atlas providing detailed text and graphic descri

Herbs and herbal products are of paramount importance for human health. To beable to guarantee safety and quality, standards and testing methods are needed.Pharmacopoeias contain quality control protocols setting the standards which arethen required by governments. The quality traits are many, including the intrinsicvariables of medicinal plant, e.g. the levels of the active compounds, and the absenceof possibly natural occurring toxic compounds. On the other hand, many qualitytraits are related to agricultural conditions and practices, or to the harvesting andpost-harvest processing. With so many variables, quality control of the end productbecomes extremely complex, time consuming and costly. To ensure the quality ofmedicinal plants for human consumption quality management -the use of “goodpractices” at each step, from seed to final product- becomes a crucial aspect. In general, quality control includes the inspection of the product’s identity, purity,and content, based on its physical, chemical or biological properties. To

ensure thequality of herbal medications, criteria such as botanical quality, type of preparation,physical constants, adulteration, contaminants, chemical constituents, pesticidesresidues et al. should be examined. Meanwhile, authentication of herbs is neededto avoid possible adulteration or contaminating plants, even toxic herbs such asAristolochia species. Many of the methods are long standing, such as microscopy incombination with color reactions, but some 50 years ago chromatography developedas a major tool for both qualitative and quantitative analysis of herbal preparations.Nowadays, research is working on the improvement of these methods and on thedevelopment of novel tools. For instance, next generation sequencing and mass spectrometry imaging, areemerging as new technologies for the quality control of herbal medicines. Withthese technologies, quick testing of herbal products and of mixed herbal powderpreparations, including the testing for specific plant parts (botanical drugs), can beachieved. Also, novel chemical tools such as metabolomics and Near Infrared Red(NIR) spectroscopy are being developed as powerful tools to identify and to linkthese with activity by using chemometric tools such as multivariate analysis. Finally,progress of informatic tools such as machine learning helps to deal with the big datagenerated by sequencing or mass spectrometry. However, these new technologies,like all other new born technologies, should be tested and perfected for a broaderrange of products.

Effective date: 1 December 2005. Supplement to the 2002 main ed. (ISBN 011322558X). Cover title of main edition: British approved names 2002 incorporating international nonproprietary names. A dictionary of drug names for regulatory use in the UK

Microbiological matters continue to exercise considerable influence on product quality. In both the pharmaceutical and

medical device industries, products of greater sophistication, along with evolving regulatory requirements, are elevating the challenges related to maintaining microbiological integrity. Updated to reflect technological and regulatory changes, the Guide to Microbiological Control in Pharmaceuticals and Medical Devices, Second Edition covers thoseprincipal aspects of microbiology that arerelevant to the preformulation, formulation, manufacturing, and license application stages involved with the production of pharmaceuticals and medical devices. In recognition of the diverse disciplines involved in pharmaceutical and medical device production, this work provides a brief introduction to microbiology geared towards the nonmicrobiologist. Covering good manufacturing practice in the control of contamination, the text explores quality control, the preservation of formulations, and principles of sterilization, including microbiological-specific considerations for biotechnological products and other medical devices. It also provides additional materials on package integrity and contamination risks in clean rooms. The editors have produced a companion text, the Handbook of Microbiological Quality Control in Pharmaceuticals and Medical Devices (see reverse), which when paired with the Guide offers a complete theoretical and practical treatment of microbiological control. This book provides a comprehensive distillation of information concerning methodology and regulations that would otherwise remain scattered throughout the literature. It allows scientists from many fields to address potential problems in advance and implement suitable strategies at the earliest stages of development.

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login/password. Kun adgang fra én PC på Farmaceutisk Fakultetsbibliotek ved henvendelse i skranken.
Thoroughly revised and expanded, the third edition of the Encyclopedia of Chromatography is an authoritative source of information for researchers in chemistry, biology, physics, engineering, and materials science.
This quick reference and guide to specific chromatographic techniques and theory provides a basic introduction to the science and techn
Understanding the biochemistry of food is basic to all other research and development in the fields of food science, technology, and nutrition, and the past decade has seen accelerated progress in these areas. Advances in Food Biochemistry provides a unified exploration of foods from a biochemical perspective. Featuring illustrations to elucidate m
Offering a valuable resource for medical and other historians, this book explores the processes by which pharmacy in Britain and its colonies separated from medicine and made the transition from trade to profession during the nineteenth and twentieth centuries. When the Pharmaceutical Society of Great Britain was founded in 1841, its founders considered pharmacy to be a branch of medicine. However, the 1852 Pharmacy Act made the exclusion of pharmacists from the medical profession inevitable, and in 1864 the General Medical Council decided that pharmacy legislation was best left to pharmacists themselves. Yet across the Empire, pharmacy struggled to establish itself as an autonomous profession, with doctors in many colonies reluctant to surrender control over pharmacy. In this book the author

traces the professionalization of pharmacy by exploring issues including collective action by pharmacists, the role of the state, the passage of legislation, the extension of education, and its separation from medicine. The author considers the extent to which the British model of pharmacy shaped pharmacy in the Empire, exploring the situation in the Divisions of Empire where the 1914 British Pharmacopoeia applied: Canada, the West Indies, the Mediterranean colonies, the colonies in West and South Africa, India and the Eastern colonies, Australia, New Zealand, and the Western Pacific Islands. This insightful and wide-ranging book offers a unique history of British pharmaceutical policy and practice within the colonial world, and provides a firm foundation for further studies in this under-researched aspect of the history of medicine.

Practical approaches to ensure that analytical methods and instruments meet GMP standards and requirements Complementing the authors' first book, Analytical Method Validation and Instrument Performance Verification, this new volume provides coverage of more advanced topics, focusing on additional and supplemental methods, instruments, and electronic systems that are used in pharmaceutical, biopharmaceutical, and clinical testing. Readers will gain new and valuable insights that enable them to avoid common pitfalls in order to seamlessly conduct analytical method validation as well as instrument operation qualification and performance verification. Part 1, Method Validation, begins with an overview of the book's risk-based approach to phase appropriate validation and instrument qualification; it then

focuses on the strategies and requirements for early phase drug development, including validation of specific techniques and functions such as process analytical technology, cleaning validation, and validation of laboratory information management systems Part 2, Instrument Performance Verification, explores the underlying principles and techniques for verifying instrument performance—coverage includes analytical instruments that are increasingly important to the pharmaceutical industry, such as NIR spectrometers and particle size analyzers—and offers readers a variety of alternative approaches for the successful verification of instrument performance based on the needs of their labs At the end of each chapter, the authors examine important practical problems and share their solutions. All the methods covered in this book follow Good Analytical Practices (GAP) to ensure that reliable data are generated in compliance with current Good Manufacturing Practices (cGMP). Analysts, scientists, engineers, technologists, and technical managers should turn to this book to ensure that analytical methods and instruments are accurate and meet GMP standards and requirements.

The genus Phyllanthus has over 1,000 species distributed worldwide, many of which have been used indigenously for the treatment of a variety of ailments for generations. Researchers have developed ways to analyze the potential of these plants and demonstrated the pharmacological action and various chemical entities present in each of them. They have validated the folklore claims and used this knowledge to design cost-effective

and reliable sources of medicine. The first book to exclusively examine the genus Phyllanthus, Phyllanthus Species: Scientific Evaluation and Medicinal Applications begins with a systematic classification and identification manual for various plants in the genus, followed by the scientific evaluation of the species for modern medicinal use. This reference compiles cutting edge research from countries around the world, including the UK, Malaysia, India, Indonesia, Spain, Cuba, and China. Topics covered include phylogenetic analysis of Phyllanthus, chemistry of the genus, anti-cancer, anti-diabetic and chemo- protective effects, genotoxicity, clinical trials involving Phyllanthus, and various formulations containing different plants from the genus Phyllanthus. Phyllanthus Species: Scientific Evaluation and Medicinal Applications describes in detail the taxonomy, cultivation, and marketing, identification of geographic and genetic hot spots, chemistry, scientific evaluation, and clinical trials of various species of Phyllanthus. Written for researchers and educators in academia, industry, agriculture, and the interested general public, this book's up-to-date references make it a powerful resource providing first-hand information on Phyllanthus.
This set comprises of five volumes and a CD-ROM: i) four volumes detailing all current UK pharmacopoeial standards for medicines for human use; ii) a companion volume providing standards for substances, preparations and immunological products used in veterinary medicine; and iii) a fully searchable CD-ROM which contains the contents of these volumes in electronic form together with a user manual, as well as the British Approved Names 2002 and supplements. The Pharmacopoeia is published on the

recommendation of the Medicines Commission in accordance with the Medicines Act 1968. This edition is effective from 1 December 2005 and it incorporates the requirements of the 5th edition of the European Pharmacopoeia 2004 and its supplements.

This book on medicinal plant biotechnology covers recent developments in this field. It includes a comprehensive up-to-date survey on established medicinal plants and on molecules which gained importance in recent years. No recently published book has covered these carefully selected topics. The contributing scientists have been selected on the basis of their involvement in the related plant material as evident by their internationally recognised published work.