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KEY=SUBRAMANYAM - HARRISON LILLY

PHARMACEUTICAL ENGINEERING

PRINCIPLES AND PRACTICES

PHARMACEUTICAL ENGINEERING

New Age International *It Is Well Known That The Applications Of Unit Operations Like Heat Transfer, Evaporation, Extraction, Mixing, Filtration And A Host Of Others Are Quite Common In The Pharmaceutical Industry, Be It In The Production Of Synthetic Drugs, Biological And Microbiological Products Or In The Manufacture Of Pharmaceutical Formulations. As Such Anyone Who Is To Look After These Manufacturing Operations Must Be Quite Knowledgeable With The Theoretical And Equipment Aspects Involved In The Relevant Unit Operations.Since A Major Involvement Of The Pharmacy Graduates Lies In The Numerous Manufacturing Operations Mentioned Above, It Is Very Much Necessary That The Subject Is Taught With A Pharmacy Orientation. There Is No Book So Far Which Has Achieved This. The Existing Books On Unit Operations Give Extensive Theory And Also Deal With A Lot Of Equipment Not Employed In The Pharmaceutical Industry. Due To A Lack Of A Pharmacy-Oriented Book In This Area, The Students And The Teachers Are Facing Difficulties In Many Ways.The Present Book Is The First One Of Its Kind On Pharmaceutical Engineering. The Special Features Of This Book Are As Follows: It Includes Theoretical And Equipment Aspects Relevant To Thepharmaceutical Industry And That Too To The Extent Needed For Pharmacy Graduates And Examples From Pharmaceutical Industry Are Quoted Extensively; Solutions To A Number Of Simpler Numerical Problems Are Given. At The End Of Each Chapter, A Large Number Of Questions, Both Theoretical And Numerical, Are Given. There Is Therefore No Doubt That The Book Will Be Of Great Use Not Only To The Students But Also To The Teachers In The Subject In India And Abroad As Well.*

PRACTICAL MANUAL OF PHARMACEUTICAL ENGINEERING

Nirali Prakashan

PRINCIPLES OF INSTRUMENTAL ANALYSIS

Cengage Learning *PRINCIPLES OF INSTRUMENTAL ANALYSIS is the standard for courses on the principles and applications of modern analytical instruments. In the 7th edition, authors Skoog, Holler, and Crouch infuse their popular text with updated techniques and several new Instrumental Analysis in Action case studies. Updated material enhances the book's proven approach, which places an emphasis on the fundamental principles of operation for each type of instrument, its optimal area of application, its sensitivity, its precision, and its limitations. The text also introduces students to elementary analog and digital electronics, computers, and the treatment of analytical data. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.*

AULTON'S PHARMACEUTICS

THE DESIGN AND MANUFACTURE OF MEDICINES

Elsevier Health Sciences *Pharmaceutics is one of the most diverse subject areas in all of pharmaceutical science. In brief, it is concerned with the scientific and technological aspects of the design and manufacture of dosage forms or medicines. An understanding of pharmaceutics is therefore vital for all pharmacists and those pharmaceutical scientists who are involved with converting a drug or a potential drug into a medicine that can be delivered safely, effectively and conveniently to the patient. Now in its fourth edition, this best-selling textbook in pharmaceutics has been brought completely up to date to reflect the rapid advances in delivery methodologies by eye and injection, advances in drug formulations and delivery methods for special groups (such as children and the elderly), nanomedicine, and pharmacognosy. At the same time the editors have striven to maintain the accessibility of the text for students of pharmacy, preserving the balance between being a suitably pitched introductory text and a clear reflection of the state of the art. provides a logical, comprehensive account of drug design and manufacture includes the science of formulation and drug delivery designed and written for newcomers to the design of dosage forms New to this edition New editor: Kevin Taylor, Professor of Clinical Pharmaceutics, School of Pharmacy, University of London. Twenty-two new contributors. Six new chapters covering parenteral and ocular delivery; design and administration of medicines for the children and elderly; the latest in plant medicines; nanotechnology and nanomedicines, and the delivery of biopharmaceuticals. Thoroughly revised and updated throughout.*

PHARMACEUTICAL BIOCHEMISTRY

S. Chand Publishing *Chapter -1 Introduction Chapter -2 The Cell Chapter -3 Membrane Signalling Chapter -4 Biomolecules Chapter -5 Bioenergetics Chapter -6 Enzymes Chapter -7 Cell Respiration Chapter -8 Metabolism Chapter-9 Protein Synthesis Chapter-10 Miscellaneous*

ESSENTIALS OF MEDICAL PHARMACOLOGY

Jaypee Brothers,Medical Publishers Pvt. Limited *This new edition has been fully revised to bring pharmacologists and trainees fully up to date with the latest developments in the field of medical pharmacology. Beginning with an introduction to general pharmacological principles, the following sections discuss drugs for common and less common disorders found in different regions of the body. The seventh edition includes new drugs, as well as the latest therapeutic guidelines from authoritative sources such as the World Health Organisation (WHO) and the British National Formulary (BNF). Each topic includes key point summary boxes as well as illustrations, flowcharts and tables to enhance learning. A ‘problem-directed study’ question at the end of each chapter helps trainees test their knowledge. An extensive appendices section includes a list of essential medicines, drugs that should/shouldn’t be prescribed in pregnancy and lactation, and suggestions for further reading. Key points Fully revised, new edition presenting latest developments in medical pharmacology Includes therapeutic guidelines from WHO and BNF Problem-directed study questions and key point summary boxes enhance learning Previous edition published in 2008*

A TEXTBOOK OF PHARMACY PRACTICE

Pharma Med Press *The term 'Pharmacy Practice' denotes both Community Pharmacy Practice and Hospital Pharmacy practice and hence all the matters relevant to both these Practices are covered in detail to help the budding pharmacists to choose and practice the carrier of their choice. As the pharmacy practice now is more patient-oriented than product Oriented, a new branch of Clinical Pharmacy Practice is included in Hospital Pharmacy Practice and that is dealt elaborately in this book so that students of Pharm.D can also find this book useful. The book has 21 chapters in all with model questions at the end of each chapter. Sub-headings of each chapter's content are given in the contents pages so that the readers can easily locate the topic they want to read.*

UNIT OPERATIONS-II

Nirali Prakashan *Introduction - Conduction - Convection - Radiation - Heat Exchange Equipments - Evaporation - Diffusion - Distillation - Gas Absorption - Liquid Liquid Extraction - Crystallisation - Drying - Appendix I Try yourself - Appendix II Thermal conductivity data - Appendix III Steam tables*

FDA BIOEQUIVALENCE STANDARDS

Springer *This comprehensive reference provides an in-depth discussion on state-of-the-art regulatory science in bioequivalence. In sixteen chapters, the volume explores a broad range of topics pertaining to bioequivalence, including its origin and principles, statistical considerations, food effect studies, conditions for waivers of bioequivalence studies, Biopharmaceutics Classification Systems, Biopharmaceutics Drug Disposition Classification System, bioequivalence modeling/simulation and best practices in bioanalysis. It also discusses bioequivalence studies with pharmacodynamic and clinical endpoints as well as bioequivalence approaches for highly variable drugs, narrow therapeutic index drugs, liposomes, locally acting gastrointestinal drug products, topical products and nasal and inhalation products. FDA Bioequivalence Standards is written by FDA regulatory scientists who develop regulatory policies and conduct regulatory assessment of bioequivalence. As such, both practical case studies and fundamental science are highlighted in these chapters. The book is a valuable resource for scientists who work in the pharmaceutical industry, regulatory agencies and academia as well as undergraduate and graduate students looking to expand their knowledge about bioequivalence standards.*

PRACTICAL MEDICINAL CHEMISTRY

S. Chand Publishing *Introduction 2. Synthesis Of Some Official Medicinal Compounds 3. Assay Of Some Official Compounds 4. Monograph Analysis Of The Following Compounds 5. Identification And Estimation Of Drug Metabolites From Biological Fluids 6. Determination Of Partition Coefficient Of Compounds For Qsar Analysis 7. I.R. Spectra Of Some Official Medicinal Compounds*

BIOACTIVE NATURAL PRODUCTS FOR PHARMACEUTICAL APPLICATIONS

Springer Nature *This book covers the recent innovations relating to various bioactive natural products (such as alkaloids, glycosides, flavonoids, anthraquinones, steroids, polysaccharides, tannins and polyphenolic compounds, volatile oils, fixed oils, fats and waxes, proteins and peptides, vitamins, marine products, camptothecin, piperines, carvacrol, gedunin, GABA, ginsenosides) and their applications in the pharmaceutical fields related to academic, research and industry.*

GENETIC RESOURCES, CHROMOSOME ENGINEERING, AND CROP IMPROVEMENT

MEDICINAL PLANTS

CRC Press *Medicinal Plants, Volume 6 of the Genetic Resources, Chromosome Engineering, and Crop Improvement series summarizes landmark research and describes medicinal plants as nature’s pharmacy. Highlights Examines the use of molecular technology for maintaining authenticity and quality of plant-based products Details reports on individual medicinal plants including their history, origin, genetic resources, cytogenetics, and varietal improvement through conventional and modern methods, and their use in pharmaceutical, cosmeceutical, nutrition, and food industries Explains how to protect plants with medicinal properties from deforestation, urbanization, overgrazing, pollution, overharvesting, and biopiracy Brings together information on germplasm resources of medicinal plants, their history, taxonomy and biogeography, ecology and biodiversity, genetics and breeding, exploitation, and utilization in the medicine and food industries Written by leading international experts and an innovative panel of scientists, Medicinal Plants offers the most comprehensive and up-to-date information on medicinal plant genetic resources and their increasing importance in pharmaceutical and cosmeceutical industries, medicine, and nutrition around the world. Includes eight-page color insert more than 25 full color figures*

PHYSICAL PHARMACEUTICS

WASTE WATER ENGINEERING

Firewall Media

PAIN MANAGEMENT AND THE OPIOID EPIDEMIC

BALANCING SOCIETAL AND INDIVIDUAL BENEFITS AND RISKS OF PRESCRIPTION OPIOID USE

National Academies Press *Drug overdose, driven largely by overdose related to the use of opioids, is now the leading cause of unintentional injury death in the United States. The ongoing opioid crisis lies at the intersection of two public health challenges: reducing the burden of suffering from pain and containing the rising toll of the harms that can arise from the use of opioid medications. Chronic pain and opioid use disorder both represent complex human conditions affecting millions of Americans and causing untold disability and loss of function. In the context of the growing opioid problem, the U.S. Food and Drug Administration (FDA) launched an Opioids Action Plan in early 2016. As part of this plan, the FDA asked the National Academies of Sciences, Engineering, and Medicine to convene a committee to update the state of the science on pain research, care, and education and to identify actions the FDA and others can take to respond to the opioid epidemic, with a particular focus on informing FDA's development of a formal method for incorporating individual and societal considerations into its risk-benefit framework for opioid approval and monitoring.*

LIFE AS SURPLUS

BIOTECHNOLOGY AND CAPITALISM IN THE NEOLIBERAL ERA

University of Washington Press *Focusing on the period between the 1970s and the present, Life as Surplus is a pointed and important study of the relationship between politics, economics, science, and cultural values in the United States today. Melinda Cooper demonstrates that the history of biotechnology cannot be understood without taking into account the simultaneous rise of neoliberalism as a political force and an economic policy. From the development of recombinant DNA technology in the 1970s to the second Bush administration's policies on stem cell research, Cooper connects the utopian polemic of free-market capitalism with growing internal contradictions of the commercialized life sciences. The biotech revolution relocated economic production at the genetic, microbial, and cellular level. Taking as her point of departure the assumption that life has been drawn into the circuits of value creation, Cooper underscores the relations between scientific, economic, political, and social practices. In penetrating analyses of Reagan-era science policy, the militarization of the life sciences, HIV politics, pharmaceutical imperialism, tissue engineering, stem cell science, and the pro-life movement, the author examines the speculative impulses that have animated the growth of the bioeconomy. At the very core of the new post-industrial economy is the transformation of biological life into surplus value. Life as Surplus offers a clear assessment of both the transformative, therapeutic dimensions of the contemporary life sciences and the violence, obligation, and debt servitude crystallizing around the emerging bioeconomy.*

PHARMACEUTICAL MICROBIOLOGY

New Age International

ESSENTIALS OF PHYSICAL CHEMISTRY

S. Chand Publishing *Essentials of Physical Chemistry is a classic textbook on the subject explaining fundamentals concepts with discussions, illustrations and exercises. With clear explanation, systematic presentation, and scientific accuracy, the book not only helps the students clear misconceptions about the basic concepts but also enhances students' ability to analyse and systematically solve problems. This bestseller is primarily designed for B.Sc. students and would equally be useful for the aspirants of medical and engineering entrance examinations.*

PHARMACEUTICAL MANUFACTURING HANDBOOK

PRODUCTION AND PROCESSES

John Wiley & Sons *This handbook features contributions from a team of expert authors representing the many disciplines within science, engineering, and technology that are involved in pharmaceutical manufacturing. They provide the information and tools you need to design, implement, operate, and troubleshoot a pharmaceutical manufacturing system. The editor, with more than thirty years' experience working with pharmaceutical and biotechnology companies, carefully reviewed all the chapters to ensure that each one is thorough, accurate, and clear.*

THE GARUḌA PURÂṆA (SÂRODDHÂRA)

Ams PressInc

BIOPHARMACEUTICAL PRODUCTION TECHNOLOGY

John Wiley & Sons *Cost-effective manufacturing of biopharmaceutical products is rapidly gaining in importance, while healthcare systems across the globe are looking to contain costs and improve efficiency. To adapt to these changes, industries need to review and streamline their manufacturing processes. This two volume handbook systematically addresses the key steps and challenges in the production process and provides valuable information for medium to large scale producers of biopharmaceuticals. It is divided into seven major parts: - Upstream Technologies - Protein Recovery - Advances in Process Development - Analytical Technologies - Quality Control - Process Design and Management - Changing Face of Processing With contributions by around 40 experts from academia as well as small and large biopharmaceutical companies, this unique handbook is full of first-hand knowledge on how to produce biopharmaceuticals in a cost-effective and quality-controlled manner.*

PHARMACEUTICAL MANUFACTURING HANDBOOK

REGULATIONS AND QUALITY

John Wiley & Sons *With its coverage of Food and Drug Administration regulations, international regulations, good manufacturing practices, and process analytical technology, this handbook offers complete coverage of the regulations and quality control issues that govern pharmaceutical manufacturing. In addition, the book discusses quality assurance and validation, drug stability, and contamination control, all key aspects of pharmaceutical manufacturing that are heavily influenced by regulatory guidelines. The team of expert authors offer you advice based on their own firsthand experience in all phases of pharmaceutical manufacturing.*

SIRTUIN BIOLOGY IN CANCER AND METABOLIC DISEASE

CELLULAR PATHWAYS FOR CLINICAL DISCOVERY

Elsevier *Sirtuin Biology in Cancer and Metabolic Disease: Cellular Pathways for Clinical Discovery offers a compelling and thought-provoking perspective for the examination of the intriguing biology of sirtuins that ties cancer and metabolic disease together and provides a critical platform for the development of sirtuin-based novel therapeutic strategies to effectively treat cancer and metabolic disorders with precision in order to minimize any potentially detrimental clinical outcomes. An exciting prospect for the development of innovative therapeutics for cancer and metabolic disorders involves sirtuins. Sirtuins are histone deacetylases that have an intricate role in the onset and development of cancer and metabolic disease. Implementing a translational medicine format, this innovative reference highlights the ability of sirtuins to oversee critical pathways that involve stem cell maintenance, cellular proliferation, metabolic homeostasis, apoptosis, and autophagy that can impact cellular dysfunction and unchecked cellular growth that can occur during cancer and metabolic disease. Each chapter offers an intuitive perspective of advances on the application of sirtuin pathways for cancer and metabolic disease that will be become a "go-to" resource for a broad audience of scientists, physicians, pharmaceutical industry experts, nutritionists, and students. Chapters are authored by internationally recognized experts who elucidate the intimate relationship between cancer and metabolic disease that intersects with sirtuin pathways Presents the basic and clinical role of sirtuins in regard to cancer and metabolic disease Summarizes the multidiscipline views and publications for this exciting field of sirtuins for the development of new clinical treatments for cancer and metabolic disease Provides a vital foundation for a broad audience of healthcare providers, scientists, drug developers, and students in both clinical and research settings*

NATURAL AND SYNTHETIC BIOMEDICAL POLYMERS

Newnes *Polymers are important and attractive biomaterials for researchers and clinical applications due to the ease of tailoring their chemical, physical and biological properties for target devices. Due to this versatility they are rapidly replacing other classes of biomaterials such as ceramics or metals. As a result, the demand for biomedical polymers has grown exponentially and supports a diverse and highly monetized research community. Currently worth $1.2bn in 2009 (up from $650m in 2000), biomedical polymers are expected to achieve a CAGR of 9.8% until 2015, supporting a current research community of approximately 28,000+. Summarizing the main advances in biopolymer development of the last decades, this work systematically covers both the physical science and biomedical engineering of the multidisciplinary field. Coverage extends across synthesis, characterization, design consideration and biomedical applications. The work supports scientists researching the formulation of novel polymers with desirable physical, chemical, biological, biomechanical and degradation properties for specific targeted biomedical applications. Combines chemistry, biology and engineering for expert and appropriate integration of design and engineering of polymeric biomaterials Physical, chemical, biological, biomechanical and degradation properties alongside currently deployed clinical applications of specific biomaterials aids use as single source reference on field. 15+ case studies provides in-depth analysis of currently used polymeric biomaterials, aiding design considerations for the future*

OXFORD HANDBOOK OF CLINICAL PHARMACY

Oxford University Press *Now fully updated, the Oxford Handbook of Clinical Pharmacy remains the indispensible guide to clinical pharmacy, providing all the information needed for practising and student pharmacists. Presenting handy practical guidance in a quick-reference, bullet-point format, this handbook will supply the knowledge and confidence needed to provide a clinical pharmacy service. Complementing the current British National Formulary guidelines, the handbook givesprescribing points and linked concepts of relevance to clinical pharmacists. The contents are evidence-based and contain a wealth of information from the authors' many years of clinical pharmacy experience. This handbook is the definitive quick-reference guide for all practising and studentpharmacists.*

THE THEORY AND PRACTICE OF INDUSTRIAL PHARMACY

LACHMAN/LIEBERMAN'S

PROCESS INTENSIFICATION

ENGINEERING FOR EFFICIENCY, SUSTAINABILITY AND FLEXIBILITY

Butterworth-Heinemann *Process Intensification: Engineering for Efficiency, Sustainability and Flexibility is the first book to provide a practical working guide to understanding process intensification (PI) and developing successful PI solutions and applications in chemical process, civil, environmental, energy, pharmaceutical, biological, and biochemical systems. Process intensification is a chemical and process design approach that leads to substantially smaller, cleaner, safer, and more energy efficient process technology. It improves process flexibility, product quality, speed to market and inherent safety, with a reduced environmental footprint. This book represents a valuable resource for engineers working with leading-edge process technologies, and those involved research and development of chemical, process, environmental, pharmaceutical, and bioscience systems. No other reference covers both the technology and application of PI, addressing fundamentals, industry applications, and including a development and implementation guide Covers hot and high growth topics, including emission prevention, sustainable design, and pinch analysis World-class authors: Colin Ramshaw pioneered PI at ICI and is widely credited as the father of the technology*

INDUSTRIAL PHARMACEUTICAL BIOTECHNOLOGY

Wiley-VCH *This volume focuses on pharmaceutical biotechnology as a key area of life sciences. The complete range of concepts, processes and technologies of biotechnology is applied in modern industrial pharmaceutical research, development and production. The results of genome sequencing and studies of biological-genetic function are combined with chemical, micro-electronic and microsystem technology to produce medical devices and diagnostic biochips. A multitude of biologically active molecules is expanded by additional novel structures created with newly arranged gene clusters and bio-catalytic chemical processes. New organisational structures in the co-operation of institutes, companies and networks enable faster knowledge and product development and immediate application of the results of research and process development. This book is the ideal source of information for scientists and engineers in research and development, for decision-makers in biotech, pharma and chemical corporations, as well as for research institutes, but also for founders of biotech companies and people working for venture capital corporations.*

VIVA VOCE IN EXPERIMENTAL PHARMACOLOGY FOR UNDERGRADUATE AND POSTGRADUATE STUDENTS

CBS Publishers & Distributors Pvt Limited, India *Explains the basic aspects of experimental pharmacology In the form of simple questions and answers. Aimed at both the undergraduate as well as the postgraduate students, this book presents the following key features: - Choice of animal species for a particular disease model. - Ethical Issues related to animal experimentation. - Basic concepts for applying statistics in pharmacology. - General pharmacological techniques such as blood withdrawal, administration of drugs, and anaesthetic techniques. - Experimental designing, bioassays and toxicity studies. - Basic aspects of DRC and In vivo experiments. - Biochemical analysis In pharmacology. - Advanced techniques useful in pharmacology, including radioligand binding studies, and patch clamp technique. - Immunohistochemistry. - In situ hybridization.*

A TEXTBOOK OF RADIOLOGY AND IMAGING

PHARMACOLOGICAL CLASSIFICATION OF DRUGS

WITH DOSES AND PREPARATIONS

Jaypee Brothers,Medical Publishers Pvt. Limited

PHARMACEUTICAL BIOTECHNOLOGY

FUNDAMENTALS AND APPLICATIONS, SECOND EDITION

CRC Press *The field of pharmaceutical biotechnology is evolving rapidly. A whole new arsenal of protein pharmaceuticals is being produced by recombinant techniques for cancer, viral infections, cardiovascular and hereditary disorders, and other diseases. In addition, scientists are confronted with new technologies such as polymerase chain reactions, combinatorial chemistry and gene therapy. This introductory textbook provides extensive coverage of both the basic science and the applications of biotechnology-produced pharmaceuticals, with special emphasis on their clinical use. Pharmaceutical Biotechnology serves as a complete one-stop source for undergraduate pharmacists, and it is valuable for researchers and professionals in the pharmaceutical industry as well.*

THE PEARSON GUIDE TO GPAT AND OTHER ENTRANCE EXAMINATION IN PHARMACY

Pearson Education India *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*

INTELLECTUAL PROPERTY RIGHTS IN PHARMACEUTICAL INDUSTRY

THEORY AND PRACTICE

Pharmamed Press *This book is aimed at pharmaceutical fraternity involving as students, researchers, teachers, regulators, policy makers to understand key aspects of intellectual property matters. The book provides clear cut understanding of national and international scenario of IPR matters.*

GREEN CATALYSIS AND REACTION ENGINEERING

AN INTEGRATED APPROACH WITH INDUSTRIAL CASE STUDIES

Cambridge University Press *Discover tools to perform Life Cycle Analysis (LCA) and develop sustainable chemical technologies in this valuable guide for chemists, engineers and practitioners. Tackling one of the key challenges of modern industrial chemical engineering, this book introduces tools to assess the environmental footprint and economics of key chemical processes that make the ingredients of everyday products such as plastics, synthetic fibers, detergents and fuels. Describing diverse industrial processes in detail, it provides process flow diagrams including raw material sourcing, catalytic reactors, separation units, process equipment and recycle streams. The book clearly explains elements of LCA and how various software tools, available in the public domain and commercially, can be used to perform LCA. Supported by real-world practical examples and case studies provided by industrial and academic chemists and chemical engineers, this is an essential tool for readers involved in implementing LCA, and developing next-generation sustainable chemical technologies.*

A TEXTBOOK OF ORGANIC CHEMISTRY : (FOR B.SC. STUDENTS)

HANDBOOK ON NANOBIOMATERIALS FOR THERAPEUTICS AND DIAGNOSTIC APPLICATIONS

Elsevier *Handbook of Nano-biomaterials for Therapeutics and Diagnostic Applications covers in-depth topics on nano-biomaterials and nano drug delivery systems (biosensors and bioimaging) involving polymer nanocomposites, metal nanocomposites, and other carbon family fibers and proteins. The book covers the current application of tiny machines or nanodevices and their use as early detection systems for life threatening diseases, giving detailed literature on the development of nanodevices, their use as diagnostic tools, and their present trend in the industry and market. In addition, their synthesis, potential applications and future of smart nanodevices in diagnosis of diseases and their use as smart clinical devices is covered. Users will find sections on recent advances in interdisciplinary research on the processing, morphology, structure and properties of nanostructured materials and their applications in drug delivery for various diseases such as cancer, tuberculosis, Alzheimer disease, ophthalmic diseases, and more. Offers a comprehensive coverage of the therapeutics and smart nanodevices as diagnostic tools and their potential clinical applications in biosensing and bioimaging Includes a glimpse into the nano-biomaterials that are essential components in nanomedicines Describes nanodevices in the early diagnosis of the diseases Explains the nano-drug delivery system for the treatment of various diseases, including cancer, tuberculosis, Alzheimer disease, and ophthalmic diseases Encompasses all information, starting from the design of nano-biomaterials to their applications in theranostics*

TEXTBOOK OF PHARMACOGNOSY AND PHYTOCHEMISTRY - E-BOOK

Elsevier Health Sciences *Textbook of Pharmacognosy and Phytochemistry This comprehensive textbook is primarily aimed at the course requirements of the B. Pharm. students. This book is specially designed to impart knowledge alternative systems of medicine as well as modern pharmacognosy. It would also serve as a valuable resource of information to other allied botanical and alternative healthcare science students as well as researchers and industrialists working in the field of herbal technology. Only Textbook Offering... Recent data on trade of Indian medicinal plants (till 2008) Illustrated biosynthetic pathways of metabolites as well as extraction and isolation methodologies of medicinal compounds Bioactivity determination and synthesis of herbal products of human interest Information on Ayurvedic plants and Chinese system of medicine Simple narrative text that will help the students quickly understand important concepts Over 300 illustrations and 120 tables in order to help students memorize and recall vital concepts making this book a student's companion cum teacher A must buy for every student of pharmacognosy!*

NANOTECHNOLOGY IN DRUG DELIVERY

Springer Science & Business Media *The reader will be introduced to various aspects of the fundamentals of nanotechnology based drug delivery systems and the application of these systems for the delivery of small molecules, proteins, peptides, oligonucleotides and genes. How these systems overcome challenges offered by biological barriers to drug absorption and drug targeting will also be described.*