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Physical Pharmacy-Dr. U. B. Hadkar 2007-07
Drug Delivery Systems- 2019-10-23 Drug Delivery Systems examines the current state of the field within pharmaceutical science and concisely explains the history of drug delivery systems, including key developments. The book translates the physicochemical properties of drugs into drug delivery systems administered via various routes, such as oral, parenteral, transdermal and inhalational. Regulatory and product development topics are also explored. Written by experts in the field, this volume in the Advances in Pharmaceutical Product Development and Research series deepens our understanding of drug delivery systems within the pharmaceutical sciences industry and research, as well as in chemical engineering. Each chapter delves into a particular aspect of this fundamental field to cover the principles, methodologies and technologies employed by pharmaceutical scientists. This book provides a comprehensive examination that is suitable for researchers and advanced students working in pharmaceuticals, cosmetics, biotechnologies, and related industries. Provides up-to-date information on

how to translate the physicochemical properties of drugs into drug delivery systems Explores how drugs are administered via various routes, such as oral, parenteral, transdermal and inhalational Contains extensive references and further reading for course and self-study

Forecasting the in Vivo Performance of Modified Release (MR) Dosage Forms Using Biorelevant Dissolution Tests-Matthias Fischbach 2006

Specification of Drug Substances and Products-Christopher M. Riley 2013-08-21 Specification of Drug Substances and Products: Development and Validation of Analytical Methods is a comprehensive and critical analysis of the requirements and approaches to setting specifications for new pharmaceutical products, with an emphasis on phase-appropriate development and validation of analytical methods. This book is intended as more than a review of new regional guidelines, existing regulatory guidance, and industry practices. It provides a hands-on guide to understanding and applying these in practice. The authors discuss critical issues, novel approaches, and future directions while also providing insight into how International Guidelines were developed and the rationale behind them. Guide to industry best practices of analytical methodologies used in the specification of new drug substances and products (e.g. DOE, QbD) Critical assessment of the application of ICH guidelines on method validation and specification setting, written by experts involved in the development and application of the guidelines to aid understanding of requirements and what is expected by regulatory authorities Direct applicability to the day-to-day activities in drug development and the potential to increase productivity

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

Bentley's Textbook of Pharmaceutics - E-Book-Sanjay Kumar Jain 2012-05-14 This adaptation of Bentley's Textbook of Pharmaceutics follows the same goals as those of the previous edition, albeit in a new look. The content of the old edition has been updated and expanded and several new chapters, viz. Complexations, Stability Testing as per ICH Guidelines, Parenteral Formulations, New Drug Delivery Systems and Pilot Plant Manufacturing, have been included, with an intention to make the book more informative for the modern pharmacists. The book has six sections: Section I deals with the physicochemical principles. Two new chapters: Complexations and ICH Guidelines for Stability Testing, have been added to make it more informative. Section II conveys the information regarding pharmaceutical unit operations and processes. Section III describes the area of pharmaceutical practice. Extensive recent updates have been included in many chapters of this section. Two new chapters: Parenteral Formulations and New Drug Delivery Systems, have been added. Section IV contains radioactivity principles and applications. Section V deals with microbiology and animal products. Section VI contains the formulation and packaging aspects of pharmaceuticals. Pilot Plant Manufacturing concepts are added as a new chapter, which may be beneficial to readers to understand the art of designing of a plant from the pilot plant model.

Dissolution, Bioavailability & Bioequivalence-Hamed Mahmmoud Abdou 1989 1. Evolution of dissolution testing 5; 2. Theory of dissolution 11; 3. Theoretical concepts for the release of a drug from dosage forms

37; 4. Effect of the physicochemical properties of the drug on dissolution rate 53; 5. Factors affecting the rate of dissolution of solid dosage forms 73; 6. Effects of storage and packaging on the dissolution of drug formulations 107; 7. Factors relating to the dissolution apparatus 115; 8. Effect of the test parameters on dissolution rate 145; 9. Dissolution of suspensions 173; 10. Dissolution of topical dosage forms (creams, gels, and ointments) 189; 11. Dissolutions of suppositories 205; 12. Dissolution characteristics of controlled-release systems 215; 13. Methods for enhancement of the drug-dissolution characteristics 265; 14. Developing a new dissolution method 285; 15. Bioavailability, definitions and historical perspective 297; 17. In vitro modeling for drug absorption 315; 18. Pharmacokinetic considerations in bioavailability studies 335; 19. Bioavailability and variations in drug blood levels 367; 20. Bioavailability and the biologic response 385; 21. Measurements of bioavailability 399; 22. General issues to be considered in conducting bioavailability studies 415; 23. Bioavailability of controlled-release dosage forms 425; 24. In vivo release and bioavailability of topical preparations 437; 25. Methods for enhancement of bioavailability 455; 26. Bioequivalence: general definitions 477; 27. Bioequivalence: case histories 481; 28. Correlation of in vitro rate of dissolution with in vivo bioavailability 491; 29. Determination of bioequivalence and its regulatory aspects 517; 30. The official bioequivalence protocols and therapeutic equivalence 533.

Applied Biopharmaceutics & Pharmacokinetics, Fifth Edition-Leon Shargel 2004-09-09 The most comprehensive text on the practical applications of biopharmaceuticals and pharmacokinetics! 4 STAR DOODY'S REVIEW! "The updated edition provides the reader with a solid foundation in the basic principles of pharmacokinetics and biopharmaceutics. Students will be able to apply the information to their clinical practice and researchers will find this to be a valuable reference. This modestly priced book should be the gold standard for student use."--Doody's Review Service The primary emphasis of this book is on the application and understanding of concepts. Basic theoretical discussions of the principles of biopharmaceutics and pharmacokinetics are provided, along with illustrative examples and practice problems and solutions to help the student gain skill in practical problem solving.

& 2-Donald Macy Liddell 1922
Australian Journal of Pharmaceutical Sciences- 1980
Halogens—Advances in Research and Application: 2013 Edition- 2013-05-01 Halogens—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Chlorine. The editors have built Halogens—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Chlorine in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Halogens—Advances in Research and Application: 2013 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/.
Applied Biopharmaceutics & Pharmacokinetics-Leon Shargel 2005 Annotation The primary emphasis of this book is on the application and understanding of concepts. Basic theoretical discussions of the principles of biopharmaceutics and pharmacokinetics are provided, along with illustrative examples and practice problems and solutions to help the student gain skill in practical problem solving.
Drug Intelligence & Clinical Pharmacy- 1970
Remington-Joseph Price Remington 2000 For more than 100 years, this textbook has been the definitive reference for all aspects of the science and practice of pharmacy, and is used for pharmaceutics, therapeutics and pharmacy practice courses in primary curricula. Since the first edition was published, pharmacists have used this book as a key one-stop reference. This updated edition covers many education and practice issues, from the history of pharmacy and ethics, to industrial pharmacy and pharmacy practice. New to the edition are expanded sections on pharmacy administration and patient care, which

include new topics such as: nutrition in pharmacy practice; self care and home diagnostic products; health care delivery systems and interdisciplinary care; and home health patient care. Also, information has been condensed into one volume for greater portability and convenience.
Solubility Behavior of Organic Compounds-David J. W. Grant 1990-06-26 The role of specific molecular interactions in influencing the solubility behavior of organic compounds are examined, particularly the role of hydrogen bonding. Shows how specific interactions can be used to elicit preferential solubility. Emphasizes interactions occurring in environments of low polarity and explains and predicts solubility phenomena in self-associated solvents. Also considers the kinetics of diffusion and dissolution.
Techniques of Chemistry-Arnold Weissberger 1970
Journal of the Association of Official Analytical Chemists-
Biopharmaceutics and Relevant Pharmacokinetics-John G. Wagner 1971
Part II. The kinetics of dissolution of special types of zirconium and zircalloy-II in hydrofluoric acid-Bruce G. Bray, Eric H. Doberenz 1954
Remington's Pharmaceutical Sciences-Joseph Price Remington 1980
Biopharmaceutics and Clinical Pharmacokinetics-Milo Gibaldi 1991 This updated introduction to the clinical applications of pharmacokinetics looks at gastrointestinal absorption, prolonged release medication, and drug disposition. The effects of disease, weight, age, sex and genetic factors on pharmacokinetic variability and drug response are detailed. Bioequivalence and regulatory considerations for generic drug.
Dissolution Technology-Lewis J. Leeson 1974
Multinational Drug Companies-Bert Spilker 1989
Annual Review of Pharmacology and Toxicology- 1978
Biopharmaceutics of Fatty Suspension Suppositories-Jozef Jacobus Tukker 1983
Progress in Drug Metabolism- 1977

Solid-state Chemistry of Drugs-Stephen R. Byrn 1999
Journal of Pharmacy and Pharmacology- 1995-07
Biopharmaceutics-Corwin Hansch 1990
Multinational Pharmaceutical Companies-Bert Spilker 1994 (1E 1989) Discusses medical/scientific/marketing/financial/ legislative/public affairs aspects of pharmaceutical R & D.
Glucocorticoids—Advances in Research and Application: 2012 Edition- 2012-12-26
Glucocorticoids—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Glucocorticoids. The editors have built Glucocorticoids—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Glucocorticoids 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 Glucocorticoids—Advances in Research and Application: 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/.
Cutaneous Biometrics-Doris Schwindt 2001-01-31 Biometrics in dermatology is an essential tool where data evaluation results in valid interpretations. This book will be the first in this area. One part of the book will describe principal aspects of dermatological research focussing on practical advice. A special part will cover applied biometrics to provide the clinician and researcher with state-of-the-art guidelines to assess the severity of common skin diseases. An additional aspect that will be of interest to pharmacologists addresses pharmacologic assays.
Pharmacology- 1972
Theory and Practice of Physical Pharmacy - E-Book-Gaurav Jain 2013-01-10 A core subject in

pharmaceutics, physical pharmacy is taught in the initial semesters of B. Pharm. The methodical knowledge of the subject is required, and is essential, to understand the principles pertaining to design and development of drug and drug products. Theory and Practice of Physical Pharmacy is unique as it fulfils the twin requirements of physical pharmacy students: the authentic text on theoretical concepts and its application including illustrative exercises in the form of practicals. Covers all the topics included in various existing syllabi of physical pharmacy Provides an integrated understanding of theory and practical applications associated with physicochemical concepts Explore the latest developments in the field of pharmaceutics Reviews the relevance of physicochemical principles in the design of dosage form Ensures proper recapitulation through sufficient end-of-chapter questions Provides valuable learning tool in the form of multiple choice questions Multiple choice questions section especially useful for GPAT aspirants

Principles and Perspectives in Drug Bioavailability-James Blanchard 1979

USP35 NF30, 2012-United States Pharmacopeial Convention 2011-11 The USP-NF is a combination of two official compendia, the United States Pharmacopeia (USP) and the National Formulary (NF). It contains standards for medicines, dosage forms, drug substances, excipients, biologics, compounded preparations, medical devices, dietary supplements, and other therapeutics. USP-NF standards are enforceable by the U.S. Food and Drug Administration for medicines manufactured and marketed in the United States. Learn more about USP-NF. Highlights & Features: * More than 4,500 monographs with specifications for identity, strength, quality, purity, packaging, and labeling for substances and dosage forms. View a sample USP-NF monograph (100KB). * Over 230 General Chapters providing clear, step-by-step guidance for assays, tests, and procedures * Focus-specific charts and a combined index helps you find the information you need * Helpful sections on reagents, indicators, and solutions, plus reference tables * Published annually in an official English edition (print, CD, and new USB flash drive formats) and an official Spanish edition (print).

Pharmaceutics and Pharmacy Practice-Gilbert S. Banker 1982

Metallic and Other Non-organic Coatings-International Organization for Standardization 1984
USP, NF.- 2006
Acta Pharmaceutica Jugoslavica- 1978

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