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[Law of Damages Through the Cases](#) P. J. Visser 2004

Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement Nina Dragicevic 2016-01-05 Percutaneous Penetration Enhancers in a mini-series format comprising five volumes, represents the most comprehensive reference on enhancement methods – both well established and recently introduced – in the field of dermal/transdermal drug delivery. In detail the broad range of both chemical and physical methods used to enhance the skin delivery of drugs is described. All aspects of drug delivery and measurement of penetration are covered and the latest findings are provided on skin structure and function, mathematics in skin permeation and modern analytical techniques adapted to assess and measure penetration. In offering a detailed description of the methods currently in use for penetration enhancement, this book will be of value for researchers, pharmaceutical scientists, practitioners and also students.

Porous Silicon for Biomedical Applications Hélder A. Santos 2014-02-14 Porous silicon has a range of properties, making it ideal for drug delivery, cancer therapy, and tissue engineering. Porous Silicon for Biomedical Applications provides a comprehensive review of this emerging nanostructured and biodegradable biomaterial. Chapters in part one focus on the fundamentals and properties of porous silicon for biomedical applications, including thermal properties and stabilization, photochemical and nonthermal chemical modification, protein-modified porous silicon films, and biocompatibility of porous silicon. Part two discusses applications in bioimaging and sensing, and explores the optical properties of porous silicon materials; in vivo imaging assessment and radiolabelling of porous silicon; and nanoporous silicon biosensors for DNA sensing and for bacteria detection. Finally, part three highlights drug loading and characterization of porous silicon materials, tumor targeting and imaging, and porous silicon scaffolds for functional tissue engineering, stem cell growth, and osteodifferentiation. With its acclaimed editor and international team of expert contributors, Porous Silicon for Biomedical Applications is a technical resource and indispensable guide for all those involved in the research, development, and application of porous silicon and other biomaterials, while providing a comprehensive introduction for students and academics interested in the field. Comprehensive review of porous silicon focusing on the fabrication and properties of this emerging material Specifically discusses drug delivery and orthopedic applications of porous silicon Aimed at materials researchers and scientists in the biomaterials industry – particularly those concerned with drug delivery and orthopedics

Introduction to Financial Mathematics Kevin J. Hastings 2015-10-21 This book is for a two-semester Introduction to Financial Mathematics course for undergraduates. It focuses on preparing students for the actuarial exam, motivates through a discussion of personal finances and portfolio management and goes on to cover higher level mathematics, such as stochastic calculus and Brownian Motion. The author blends the better topic coverage, examples and exercises from the various available books and also attempts to standardize the course syllabi with a very well-thought and attractive table of contents.

Innovative Security Solutions for Information Technology and Communications Jean-Louis Lanet 2019-02-05 This book constitutes the thoroughly refereed proceedings of the 11th International Conference on Security for Information Technology and Communications, SecITC 2018, held in Bucharest, Romania, in November 2018. The 35 revised full papers presented together with 3 invited talks were carefully reviewed and selected from 70 submissions. The papers present advances in the theory, design, implementation, analysis, verification, or evaluation of secure systems and algorithms.

Responsible Investment in Times of Turmoil Wim Vandekerckhove 2011-03-29 The SRI phenomenon is said to be entering the mainstream of financial intermediation. From a fairly marginal practice promoted or campaigned for by NGO's and at odds with financial practice and orthodoxy it grew into well formulated policy adopted by a wide range of investors. Academic literature on SRI has also boomed on the assumption that mainstreaming is taking place. However, little thinking has been carried out on questions specifically arising from this alleged 'mainstreaming'. This book, addressed to those with a scholarly or practitioner's interest in SRI, starts filling this neglected dimension. Today, one cannot ignore the difficulties of main stream financing. The financial spheres are trembling globally in one of the worst crises since the 1930's. As a response to the crisis, the intermediation of 'financial responsibility' will undoubtedly be the subject of new regulation and scrutinizing. This book looks into what these turbulences will imply for SRI. In view of these circumstances, one might or even should, ask oneself whether the phenomenon was not an empty fad during the exuberant high of financial euphoria that came abruptly to an end with current financial crises. To put it rather sec: are financial intermediaries that promote 'sustainability' credible, while it is obvious that some developments in financial intermediation -predictably, as some say- were unsustainable? Is this an opportunity for enhancing SRI because of the strength and superiority it has developed or will it disappear due to a return to financial myopia? This book is the first to question the future of SRI in such a radical way.

The Benefits of Plant Extracts for Human Health Charalampos Proestos 2021-01-13 Nature has always been, and still is, a source of food and ingredients that are beneficial to human health. Nowadays, plant extracts are increasingly becoming important additives in the food industry due to their antimicrobial and antioxidant activities that delay the development of off-flavors and improve the shelf life and color stability of food products. Due to their natural origin, they are excellent candidates to replace synthetic compounds, which are generally considered to have toxicological and carcinogenic effects. The efficient extraction of these compounds from their natural sources and the determination of their activity in commercialized products have been great challenges for researchers and food chain contributors to develop products with positive effects on human health. The objective of this Special Issue is to highlight the existing evidence regarding the various potential benefits of the consumption of plant extracts and plant-extract-based products, with emphasis on in vivo works and epidemiological studies, the application of plant extracts to improving shelf life, the nutritional and health-related properties of foods, and the extraction techniques that can be used to obtain bioactive compounds from plant extracts.

Emerging Technologies in Distance Education George Veletsianos 2010 A one-stop knowledge resource, Emerging Technologies in Distance Education showcases the international work of research scholars and innovative distance education practitioners who use emerging interactive technologies for teaching and learning at a distance. This widely anticipated book harnesses the dispersed knowledge of international experts who highlight pedagogical, organizational, cultural, social, and economic factors that influence the adoption and integration of emerging technologies in distance education. Whether as a result of technological advances, changing mindsets, or economic and organizational pressures, this book provides expert advice on how educators can launch effective and engaging distance education initiatives. It goes beyond the hype surrounding Web 2.0 technologies and highlights the important issues that researchers and educators need to consider to enhance educational practice. George Veletsianos is assistant professor of instructional technology at the University of Texas.

ELECTRIMACS 2019 Walter Zamboni 2021-12-10 This book collects a selection of papers presented at ELECTRIMACS 2019 - The 13th international conference of the IMACS TC1 Committee, held in Salerno, Italy, on 21st-23rd May 2019. The conference papers deal with modelling, simulation, analysis, control, power management, design optimization, identification and diagnostics in electrical power engineering. The main application fields include electric machines and electromagnet devices, power electronics, transportation systems, smart grids, electric and hybrid vehicles, renewable energy systems, energy storage, batteries, supercapacitors and fuel cells, wireless power transfer. The contributions included in Volume 2 are particularly focussed on methodological aspects, modelling and applied mathematics in the field of electrical engineering.

Chemically Deposited Nanocrystalline Metal Oxide Thin Films Fabian I. Ezema 2021-06-26 This book guides beginners in the areas of thin film preparation, characterization, and device making, while providing insight into these areas for experts. As chemically deposited metal oxides are currently gaining attention in development of devices such as solar cells, supercapacitors, batteries, sensors, etc., the book illustrates how the chemical deposition route is emerging as a relatively inexpensive, simple, and convenient solution for large area deposition. The advancement in the nanostructured materials for the development of devices

is fully discussed.

International Encyclopedia of Information and Library Science John Feather 2003-09-02 The International Encyclopedia of Information and Library Science was published to widespread acclaim in 1996, and has become the major reference work in the field. This eagerly awaited new edition has been fully revised and updated to take full account of the many and radical changes which have taken place since the Encyclopedia was originally conceived. With nearly 600 entries, written by a global team of over 150 contributors, the subject matter ranges from mobile library services provided by camel and donkey transport to search engines, portals and the World Wide Web. The new edition retains the successful structure of the first with an alphabetical organization providing the basic framework of a coherent collection of connected entries. Conceptual entries explore and explicate all the major issues, theories and activities in information and library science, such as the economics of information and information management. A wholly new entry on information systems, and enhanced entries on the information professions and the information society, are key features of this new edition. Topical entries deal with more specific subjects, such as collections management and information services for ethnic minorities. New or completely revised entries include a group of entries on information law, and a collection of entries on the Internet and the World Wide Web.

Contemporary Management Principles Vrba M J Brevis Tersia 2014-05-14

Social Research Methods William Lawrence Neuman 2013-07-17 Social Research Methods: Qualitative and Quantitative Methods 7e is a highly regarded text that presents a comprehensive and balanced introduction to both qualitative and quantitative approaches to social research with an emphasis on the benefits of combining various approaches. New this edition: MyResearchKit--Social Research Methods 7E can be packaged with this text at no additional cost (ISBN: 0205751342) or purchased separately. MyResearchKit includes: * Multiple-choice practice test questions* Flashcards of key terms* Short research exercises (previously in the workbook)*Social Explorer: census data from 1790 - present* A Social Research in the News blog*Writing tutorial: covers documenting sources, avoiding plagiarism, and various kinds of writing assignments (literature reviews, abstracts, research proposals, etc.)*MySearchLab: a search engine for retrieving scholarly research articles from hundreds of academic journals

Organic Pollutants in Wastewater I Inamuddin 2018-04-01 Wastewater represents an alternative to freshwater if it can be treated successfully for re-use applications. Promising techniques involve photocatalysis, adsorption, nanocomposites, and membranes. The book focusses on the following topics: Effluent detoxification and degradation kinetics of organic dyes using Fenton and photo-Fenton processes. Degradation of methylene blue using nanocomposites as a potential photocatalyst. Agricultural and agro-industries based wastes as low-cost biosorbents. Use of carbon quantum dots (CQDs) for photocatalytic degradation of organic pollutants. Detection, determination and removal of phenolic compounds from wastewater. Decomposition of organic dyes via photocatalysis. Oxide-semiconductor nanomaterials for photocatalytic wastewater purification. Photocatalytic efficiency of various ZnO composites for degradation of organic pollutants. TiO2 based nanocomposites. Membrane filtration processes for the removal of organics from industrial wastewater.

Revolutionizing Aircraft Materials and Processes Spiros Pantelakis 2020-03-11 This book addresses the emerging needs of the aerospace industry by discussing recent developments and future trends of aeronautic materials. It is aimed at advancing existing materials and fostering the ability to develop novel materials with less weight, increased mechanical properties, more functionality, diverse manufacturing methods, and recyclability. The development of novel materials and multifunctional materials has helped to increase efficiency and safety, reduce costs, and decrease the environmental foot print of the aeronautical industry. In this book, integral metallic structures designed by disruptive concepts, including topology optimization and additive manufacturing, are highlighted.

Engineering Mathematics John Bird 2017-07-14 Now in its eighth edition, Engineering Mathematics is an established textbook that has helped thousands of students to succeed in their exams. John Bird's approach is based on worked examples and interactive problems. Mathematical theories are explained in a straightforward manner, being supported by practical engineering examples and applications in order to ensure that readers can relate theory to practice. The extensive and thorough topic coverage makes this an ideal text for a range of Level 2 and 3 engineering courses. This title is supported by a companion website with resources for both students and lecturers, including lists of essential formulae and multiple choice tests.

Managing in Recovering Markets S. Chatterjee 2014-10-27 The changing dynamics of business worldwide have led organizations to look beyond traditional managerial practices while at the same time attempting to retain their core competitive advantages. This development has called upon academicians and practitioners alike to reassess the different aspects of business management such as macroeconomic variables, the nature of the market, the changing features of the workplace, the new work ethos, and/or employer-employee exchanges. In this context, the book provides essential insights on industry innovations, academic advances and policy movements with regard to recovering markets in India and around the globe. The individual papers highlight potential avenues that could allow industry to better understand and respond to the global crisis. The book collects research papers presented at the Global Conference on Managing in Recovering Markets (GCMRM), held in March 2014. Seven international and 120 national business schools and management universities were represented at the conference, the first in a series of 13 planned under the GCMRM agenda for 2014-17. The book includes more than 30 research papers chosen from a pool of 118 presented at the conference, all of which have undergone a rigorous blind review process.

Introduction to Business Information Systems Rolf T. Wigand 2003-05-21 After describing the functions of the PC and the role of computers in local and global networks, the authors explain the fundamentals of data management, as well as the support of firms' functions and processes through information processing. The concepts utilized are deployed in a multitude of modern and integrated application systems in manufacturing and service industries. These application examples make up the core of the book. Many application examples illustrate the methodologies addressed.

Handbook of Early Literacy Research Susan B. Neuman 2017-05-08 Current research increasingly highlights the role of early literacy in young children's development--and facilitates the growth of practices and policies that promote success among diverse learners. The Handbook of Early Literacy Research presents cutting-edge knowledge on all aspects of literacy learning in the preschool years. Volume 1 covers such essential topics as major theories of early literacy; writing development; understanding learning disabilities, including early intervention approaches; cultural and socioeconomic contexts of literacy development; and tutoring programs and other special intervention efforts.

Seasons Come to Pass Helen Moffett 2002 The new edition of this highly successful poetry anthology includes new poems, new notes and exercises, and has a freshly- designed, learning friendly format that makes it even more relevant and accessible to students in Southern Africa

Foundations of Computer Science Behrouz A. Forouzan 2007-12 Based on the ACM model curriculum guidelines, this text covers the fundamentals of computer science required for first year students embarking on a computing degree. Data representation of text, audio, images, and numbers; computer hardware and software, including operating systems and programming languages; data organization topics such as SQL database models - they're all [included]. Progressing from the bits and bytes level to the higher levels of abstraction, this birds-eye view provides the foundation to help you succeed as you continue your studies in programming and other areas in the computer field.-Back cover.

Construction and Building Research Carmen Linares-Millán 2014-01-31 Many areas of knowledge converge in the building industry and therefore research in this field necessarily involves an interdisciplinary approach. Effective research requires strong relation between a broad variety of scientific and technological domains and more conventional construction or craft processes, while also considering advanced management processes, where all the main actors permanently interact. This publication takes an interdisciplinary approach grouping various studies on the building industry chosen from among the works presented for the 2nd International Conference on Construction and Building Research. The papers

examine aspects of materials and building systems; construction technology; energy and sustainability; construction management; heritage, refurbishment and conservation. The information contained within these pages may be of interest to researchers and practitioners in construction and building activities from the academic sphere, as well as public and private sectors.

Language Curriculum Design and Socialisation Dr. Peter Mickan 2012-11-23 This book applies social theory to curriculum design and sets out a program for language curriculum renewal for the 21st century. It includes many examples of text-based curricula and describes a plan for curriculum renewal based on texts as the unit of analysis for planning, for teaching and for assessment. Underpinned by Halliday's semiotic theory of language, the book combines the theory of language as a resource for meaning-making with learning language as learning to mean. The curriculum design constructs curriculum around social practices and their texts rather than presenting language as grammatical and lexical objects. This work will provide teachers, teacher educators and curriculum planners with a curriculum model for teaching children and adults in different contexts from preschool to adult education as well as serving as a practical guide for students.

Rural Development Planning in Africa Meleckidzedeck Khayesi 2017-11-12 This book applies a range of theories that focus on current concerns in rural Africa. The contributors lay out the conceptualization, analysis, methods, assumptions, perceptions, and ideas considered in each individual case. Specifically, this project inspires research in the field of rural development in Africa through multi-faceted endeavors that promote the ability of planning to uplift people's well-being and quality of life.

19 Urban Questions Joe L. Kincheloe 2004 Annotation "19 Urban Questions: Teaching in the City, the definitive overview of urban education, is provocative in style and rich in detail. Emphasizing the complexity of urban education, Steinberg, Kincheloe, and the authors ask direct questions about what urban teachers need to know. Their answers are guaranteed to generate both classroom discussion and discourse in the field for years to come. This is a volume that should be used in every school of education. Important topics include: difference in urban education; motives for teaching in city settings; understanding and dealing with drop-outs; the role of counseling in urban schools; identifying resistance in urban settings; gangs and gang membership; evaluation and assessment; unique issues relating to disabilities; bilingual education; unique issues in urban literacy; urban students and the writing process; technology in urban classrooms; the value of teaching science in urban settings; the role of aesthetics in city schools; health risks among city students; understanding the urban family.

Pharmaceutical Prices in the 21st Century Zaheer-Ud-Din Babar 2014-12-05 This book provides an overview of the global pharmaceutical pricing policies. Medicines use is increasing globally with the increase in resistant microbes, emergence of new treatments, and because of awareness among consumers. This has resulted in increased drug expenditures globally. As the pharmaceutical market is expanding, a variety of pharmaceutical pricing strategies and policies have been employed by drug companies, state organizations and pharmaceutical pricing authorities.

Academic Literacy Development Laura-Mihaela Muresan 2021-03-11 This edited book brings together an international cast of contributors to examine how academic literacy is learned and mastered in different tertiary education settings around the world. Bringing to the fore the value of qualitative enquiry through ethnographic methods, the authors illustrate in-depth descriptions of genre knowledge and academic literacy development in first and second language writing. All of the data presented in the chapters are original, as well as innovative in the field in terms of content and scope, and thought-provoking regarding theoretical, methodological and educational approaches. The contributions are also representative of both novice and advanced academic writing experiences, providing further insights into different stages of academic literacy development throughout the career-span of a researcher. Set against the backdrop of internationalisation trends in Higher Education and the pressure on multilingual academics to publish their research outcomes in English, this volume will be of use to academics and practitioners interested in the fields of Languages for Academic Purposes, Applied Linguistics, Literacy Skills, Genre Analysis and Acquisition and Language Education.

Conservation of Natural and Cultural Heritage in Kenya Anne-Marie Deisser 2016-10-07 In Kenya, cultural and natural heritage has a particular value. Its pre-historic heritage not only tells the story of man's origin and evolution but has also contributed to the understanding of the earth's history: fossils and artefacts spanning over 27 million years have been discovered and conserved by the National Museums of Kenya (NMK). Alongside this, the steady rise in the market value of African art has also affected Kenya. Demand for African tribal art has surpassed that for antiquities of Roman, Byzantine, and Egyptian origin, and in African countries currently experiencing conflicts, this activity invariably attracts looters, traffickers and criminal networks. This book brings together essays by heritage experts from different backgrounds, including conservation, heritage management, museum studies, archaeology, environment and social sciences, architecture and landscape, geography, philosophy and economics to explore three key themes: the underlying ethics, practices and legal issues of heritage conservation; the exploration of architectural and urban heritage of Nairobi; and the natural heritage, landscapes and sacred sites in relation to local Kenyan communities and tourism. It thus provides an overview of conservation practices in Kenya from 2000 to 2015 and highlights the role of natural and cultural heritage as a key factor of social-economic development, and as a potential instrument for conflict resolution

Engendering Climate Change Asha Hans 2021-02-25 This book focuses on the gendered experiences of environmental change across different geographies and social contexts in South Asia and on diverse strategies of adapting to climate variability. The book analyzes how changes in rainfall patterns, floods, droughts, heatwaves and landslides affect those who are directly dependent on the agrarian economy. It examines the socio-economic pressures, including the increase in women's work burdens both in production and reproduction on gender relations. It also examines coping mechanisms such as male migration and the formation of women's collectives which create space for agency and change in rigid social relations. The volume looks at perspectives from India, Pakistan, Bangladesh and Nepal to present the nuances of gender relations across borders along with similarities and differences across geographical, socio-cultural and policy contexts. This book will be of interest to researchers and students of sociology, development, gender, economics, environmental studies and South Asian studies. It will also be useful for policymakers, NGOs and think tanks working in the areas of gender, climate change and development.

Disrupting Higher Education Curriculum Michael Samuel, Dr 2017-01-13 Discomfort with the inappropriateness of university curricula has met with increasing calls for disruptive actions to revitalise higher education. This book, conceived to envision an alternative emancipatory curriculum, explores the historical, ideological, philosophical and theoretical domains of higher education curricula. The authors acknowledge that universities have been and continue to be complicit in perpetuating cognitive damage through symbolic violence associated with indifference to the pernicious effects of race categorisation, gender inequalities, poverty, rising unemployment and cultural hegemony, as they continue to frame curricula, cultures and practices. The book contemplates the project of undoing cognitive damage, offering glimpses to redesign curriculum in the 21st century. The contributors, international scholars, emergent and expert researchers, include different nationalities, orientations and positionalities, constituting an interdisciplinary ensemble which collectively provides a rich commentary on higher education curriculum as we know it and where we think it could be in the future. The edited volume is a catalytic tool for disrupting canonised rituals of practice in higher education. "It has been a while since a scholarly book, so authoritative in its claims and innovative in its concepts, threatens to shake up the curriculum field at its foundations. Rich in metaphor and meaning, the superbly written chapters challenge a field that once more

became moribund as we settled (sic) far too comfortably into accepting handed-down frames and fictions about knowledge, authority, power and agency that imprint 'cognitive damage' on those forced to the margins of schools and universities. Disrupting Higher Education Curriculum demonstrates, however, that it is in fact from those margins of the education enterprise that academics, teachers and learners can see more clearly how patterns of thought and action hold us back from placing and experiencing our African humanity at the centre of the curriculum." - Jonathan Jansen, Rector and Vice Chancellor of the University of the Free State, South Africa

Fundamental Perspectives on International Law William R. Slomanson 1995 Designed for an undergraduate course in international law, the text may also supplement International Relations, Foreign Policy, International Affairs, World Politics, and Comparative Law courses. A mix of commentary, edited cases, and problems are included. Revisions include three new chapters: International Organizations (Ch. 3), Individuals and Corporations (Ch. 4), and International Environment (Ch. 12). Career Opportunities in International Law is the new Appendix 3. Exhibits graphically illustrating chapter concepts have been added as well as expanded coverage of Sources (Ch. 1), Dispute Resolutions (Ch. 9), and International Business (Ch. 3).

Introduction to Programming Nick Samoylov 2018-06-15 Have you ever thought about learning how to make your computer do what you want it to do? Do you want to learn to program but just don't know where to start? Have all other learning resources got you confused with over explanations, rather than walking you in the right direction? Don't worry, you have to look no further. Written by not just an ...

Performance Management Herman Aguinis 2012-02-27 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Discover where the real success in business can be found. What makes some businesses more successful than others? The answer: people. Organizations with motivated, talented employees that offer outstanding customer service are more likely to pull ahead of the competition. Performance Management is the first text to emphasize this key competitive advantage, showing readers that success in today's globalized business world can be found, not in technology and products, but in an organization's people. The third edition includes updated and current information, and features over forty new cases.

Higher Engineering Mathematics John Bird 2017-04-07 Now in its eighth edition, Higher Engineering Mathematics has helped thousands of students succeed in their exams. Theory is kept to a minimum, with the emphasis firmly placed on problem-solving skills, making this a thoroughly practical introduction to the advanced engineering mathematics that students need to master. The extensive and thorough topic coverage makes this an ideal text for upper-level vocational courses and for undergraduate degree courses. It is also supported by a fully updated companion website with resources for both students and lecturers. It has full solutions to all 2,000 further questions contained in the 277 practice exercises.

Sensors and Microsystems G. Di Francia 2020-02-21 This book showcases the state of the art in the field of sensors and microsystems, revealing the impressive potential of novel methodologies and technologies. It covers a broad range of aspects, including: bio-, physical and chemical sensors; actuators; micro- and nano-structured materials; mechanisms of interaction and signal transduction; polymers and biomaterials; sensor electronics and instrumentation; analytical microsystems, recognition systems and signal analysis; and sensor networks, as well as manufacturing technologies, environmental, food and biomedical applications. The book gathers a selection of papers presented at the 20th AISEM National Conference on Sensors and Microsystems, held in Naples, Italy in February 2019, the event brought together researchers, end users, technology teams and policy makers.

Advanced Nanostructured Materials for Environmental Remediation Mu. Naushad 2019-03-14 This book provides a wide-range exploration on the ongoing research and developmental events in environmental nanotechnology. Emerging nanomaterials and its technology have been known to offer unique advantages and are continually showing promising potential attracting continuous global attention. This work thus discusses experimental studies of various nanomaterials along with their design and applications and with specific attention to chemical reactions and their challenges for catalytic systems. It will make a noteworthy appeal to scientists and researchers working in the field of nanotechnology for environmental sciences.

Fundamentals of South African Income Tax 2021

Polymyxin Antibiotics Jian Li (Pharmacologist) 2019 It is our wish that readers discover the importance of polymyxin structure in relation to the mechanisms of activity, resistance and toxicity. We emphasized that reliable analytic methods for polymyxins are critical when investigating their pharmacokinetics (PK) and pharmacodynamics (PD). The complicated dose definitions and different pharmacopoeial standards have already compromised the safe use of polymyxins in patients. Therefore, informed by the latest pharmacological information, scientifically-based dosing recommendations have been proposed for intravenous polymyxins. Considering the PK/PD limitations and potential development of resistance, polymyxin combinations are encouraged; however, the current literature has not shown definite microbiological benefits, possibly because most clinical studies to date overlooked key PK/PD principles. Nephrotoxicity is the major dose-limiting factor and it is imperative to elucidate the mechanisms and develop novel approaches to minimize polymyxin-associated toxicities. In addition, the anti-endotoxin effect of polymyxins supports their clinical use to treat Gram-negative sepsis. Fortunately, the discovery of new-generation polymyxins with wider therapeutic windows has benefited from the latest achievements in polymyxin research.

Security and Privacy in Communication Networks Robert Deng 2017-06-13 This book constitutes the refereed conference proceedings of the 12th International Conference on Security and Privacy in Communications Networks, SecureComm 2016, held in Guangzhou, China, in October 2016. The 32 revised full papers and 18 poster papers were carefully reviewed and selected from 137 submissions. The papers are organized thematically starting with mobile and network security, followed by applied cryptography, web security and privacy, system security, hardware security. The volume also includes papers from the ATCS workshop and the poster session.

Introducing English Language Louise Mullany 2015-07-30 Routledge English Language Introductions cover core areas of language study and are one-stop resources for students. Assuming no prior knowledge, books in the series offer an accessible overview of the subject, with activities, study questions, sample analyses, commentaries and key readings - all in the same volume. The innovative and flexible 'two-dimensional' structure is built around four sections - introduction, development, exploration and extension - which offer self-contained stages for study. Each topic can also be read across these sections, enabling the reader to build gradually on the knowledge gained. Introducing English Language: is the foundational book in the Routledge English Language Introductions series, providing an accessible introduction to the English language contains newly expanded coverage of morphology, updated and revised exercises, and an extended Further Reading section comprehensively covers key disciplines of linguistics such as historical linguistics, sociolinguistics and psycholinguistics, as well as core areas in language study including acquisition, standardisation and the globalisation of English uses a wide variety of real texts and images from around the world, including a Monty Python sketch, excerpts from novels such as Virginia Woolf's To the Lighthouse, and news items from Metro and the BBC provides updated classic readings by the key names in the discipline, including Guy Cook, Andy Kirkpatrick and Zoltán Dörnyei is accompanied by a website with extra activities, project ideas for each unit, suggestions for further reading, links to essential English language resources, and course templates for lecturers. Written by two experienced teachers and authors, this accessible textbook is an essential resource for all students of the English language and linguistics.