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Elixir Cookbook *Packt Publishing Ltd* This book is intended for users with some knowledge of the Elixir language syntax and basic data types/structures. Although this is a cookbook and no sequential reading is required, the book's structure will allow less advanced users who follow it to be gradually exposed to some of Elixir's features and concepts specific to functional programming. To get the most out of this book, you need to be well versed with Erlang. **Mastering Elixir Build and scale concurrent, distributed, and fault-tolerant applications** *Packt Publishing Ltd* Leverage the power of Elixir programming language to solve practical problems associated with scalability, concurrency, fault tolerance, and high availability. Key Features Enhance your Elixir programming skills using its powerful tools and abstractions Discover how to develop a full-fledged file server Understand how to use Phoenix to create a web interface for your application. Book Description Running concurrent, fault-tolerant applications that scale is a very demanding responsibility. After learning the abstractions that Elixir gives us, developers are able to build such applications with inconceivable low effort. There is a big gap between playing around with Elixir and running it in production, serving live requests. This book will help you fill this gap by going into detail on several aspects of how Elixir works and showing concrete examples of how to apply the concepts learned to a fully fledged application. In this book, you will learn how to build a rock-solid application, beginning by using Mix to create a new project. Then you will learn how the use of Erlang's OTP, along with the Elixir abstractions that run on top of it (such as GenServer and GenStage), that allow you to build applications that are easy to parallelize and distribute. You will also master supervisors (and supervision trees), and comprehend how they are the basis for building fault-tolerant applications. Then you will use Phoenix to create a web interface for your application. Upon finishing implementation, you will learn how to take your application to the cloud, using Kubernetes to automatically deploy, scale, and manage it. Last, but not least, you will keep your peace of mind by

learning how to thoroughly test and then monitor your application. What you will learn Use Elixir tools, including IEx and Mix Find out how an Elixir project is structured and how to create umbrella applications Discover the power of supervision trees, the basis for fault-tolerance Create a Domain-Specific Language (DSL) that abstracts complexity Create a blazing-fast web interface for your application with Phoenix Set up an automatic deployment process for the cloud Monitor your application and be warned if anything unexpected happens Who this book is for Mastering Elixir is for you if you have experience in Elixir programming and want to take it to the next level. This Elixir book shows you how to build, deploy, and maintain robust applications, allowing you to go from tinkering with Elixir on side projects to using it in a live environment. However, no prior knowledge of Elixir is required to enjoy the complex topics covered in the book. **Erlang and Elixir for Imperative Programmers** Apress Learn and understand Erlang and Elixir and develop a working knowledge of the concepts of functional programming that underpin them. This book takes the author's experience of taking on a project that required functional programming and real-time systems, breaks it down, and organizes it. You will get the necessary knowledge about differences to the languages you know, where to start, and where to go next. Have you been told by your customer or manager that they heard good things about Erlang, you should use it for the next project? Never had to deal with functional programming or real-time systems? In 2014, the author, Wolfgang Loder, developed a repository for digital assets that had to deliver those assets in binary form quickly and reliably, being able to deal with at least hundreds of requests per second. Since he could decide the architecture and software stack of the solution, he immediately thought of Erlang and its libraries and started to evaluate this option. It was not long after that he discovered Elixir, which sits on top of the Erlang virtual machine and has features more palatable for non-functional programmers, although it is a functional programming language itself. Erlang and Elixir for Imperative Programmers gives you a basis for deciding whether the effort is viable for your next project. This book is partly a tale of the author's own experience and partly a description of the bigger and more subtle differences between Erlang/Elixir and languages such as C++, Java, and C#. What You'll Learn Discover functional programming, Erlang, and Elixir Work on service design and service features Set up your environment: deployment, development, and production Implement the service including public interface, asset processing, and deployment Use the patterns and concepts found in Erlang including type creation concepts and code structuring. Who This Book Is For Experienced and savvy programmers, coders, and developers new to Erlang and Elixir. **Microservices in Action** Simon and Schuster Summary Microservices in Action is a practical book about building and deploying microservice-based applications. Written for developers and architects with a solid grasp of service-oriented development, it tackles the challenge of putting microservices into production. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Invest your time in designing great applications, improving infrastructure, and making the most out of your dev teams. Microservices are easier to write, scale, and maintain than traditional enterprise applications because they're built as a system of independent components. Master a few important new patterns and processes, and you'll be ready to develop, deploy, and run

production-quality microservices. About the Book *Microservices in Action* teaches you how to write and maintain microservice-based applications. Created with day-to-day development in mind, this informative guide immerses you in real-world use cases from design to deployment. You'll discover how microservices enable an efficient continuous delivery pipeline, and explore examples using Kubernetes, Docker, and Google Container Engine. What's inside An overview of microservice architecture Building a delivery pipeline Best practices for designing multi-service transactions and queries Deploying with containers Monitoring your microservices About the Reader Written for intermediate developers familiar with enterprise architecture and cloud platforms like AWS and GCP. About the Author Morgan Bruce and Paulo A. Pereira are experienced engineering leaders. They work daily with microservices in a production environment, using the techniques detailed in this book. Table of Contents PART 1 - The lay of the land Designing and running microservices Microservices at SimpleBank PART 2 - Design Architecture of a microservice application Designing new features Transactions and queries in microservices Designing reliable services Building a reusable microservice framework PART 3 - Deployment Deploying microservices Deployment with containers and schedulers Building a delivery pipeline for microservices PART 4 - Observability and ownership Building a monitoring system Using logs and traces to understand behavior Building microservice teams

Trends and Innovations in Information Systems and Technologies Volume 1 *Springer Nature* This book gathers selected papers presented at the 2020 World Conference on Information Systems and Technologies (WorldCIST'20), held in Budva, Montenegro, from April 7 to 10, 2020. WorldCIST provides a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences with and challenges regarding various aspects of modern information systems and technologies. The main topics covered are A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications.

What Painting Is *Routledge* Unlike many books on painting that usually talk about art or painters, James Elkins' compelling and original work focuses on alchemy, for like the alchemist, the painter seeks to transform and be transformed by the medium. In *What Painting Is*, James Elkins communicates the experience of painting beyond the traditional vocabulary of art history. Alchemy provides a magical language to explore what it is a painter really does in her or his studio - the smells, the mess, the struggle to control the uncontrollable, the special knowledge only painters hold of how colours will mix, and how they will look. Written from the perspective of a painter-turned-art historian, *What Painting Is* is like nothing you have ever read about art.

Medicine from the Black Death to the French Disease *Routledge* Published in 1998, covering the period from the triumphant economic revival of Europe after the collapse of the Western Roman Empire, this book offers an examination of the state of contemporary medicine and

the subsequent transplantation of European medicine worldwide. **Alchemy and Chemistry in the 16th and 17th Centuries** *Springer Science & Business Media* The present volume owes its origin to a Colloquium on "Alchemy and Chemistry in the Sixteenth and Seventeenth Centuries", held at the Warburg Institute on 26th and 27th July 1989. The Colloquium focused on a number of selected themes during a closely defined chronological interval: on the relation of alchemy and chemistry to medicine, philosophy, religion, and to the corpuscular philosophy, in the sixteenth and seventeenth centuries. The relations between Medicina and alchemy in the Lullian treatises were examined in the opening paper by Michela Pereira, based on researches on unpublished manuscript sources in the period between the 14th and 17th centuries. It is several decades since the researches of R.F. Multhauf gave a prominent role to Johannes de Rupescissa in linking medicine and alchemy through the concept of a quinta essentia. Michela Pereira explores the significance of the Lullian tradition in this development and draws attention to the fact that the early Paracelsians had themselves recognized a family resemblance between the works of Paracelsus and Roger Bacon's scientia experimentalis and, indeed, a continuity with the Lullian tradition. **On Their Own Terms** *Harvard University Press* Since the middle of the nineteenth century, imperial reformers, early Republicans, Guomindang party cadres, and Chinese Communists have all prioritized science and technology. In this book, Elman gives a nuanced account of the ways in which native Chinese science evolved over four centuries, under the influence of both Jesuit and Protestant missionaries. In the end, he argues, the Chinese produced modern science on their own terms. **Deconstructing Development Discourse Buzzwords and Fuzzwords** *Practical Action Pub* Andrea Cornwall is Professor of Anthropology and Development in the School of Global Studies at the University of Sussex. -- **The Perfume Handbook** *Springer Science & Business Media* In 1948 I was posted, as a Political Officer, to a remote part of south-west Arabia on the edge of the great desert called the Empty Quarter. In valleys made fertile by seasonal flood-waters lay the remains of an ancient civilization. I found inscriptions and the ruin sites of towns, palaces and temples. Almost buried under the sand dunes were the tumbled walls of a great city. From here, two thousand years before, huge camel caravans had trudged their way along 1600 miles of burning sand and rocks to Petra and Gaza, burdened with a most precious cargo - frankincense, myrrh and other perfume materials for the courts, temples and perfume shops of Rome. My book Frankincense and Myrrh delved into the details of this romantic trade and led to a broader interest in the perfumes of ancient times. Then, researching on behalf of a perfume house into the Arab contribution to perfumery, I came across the collection of perfume recipes assembled by the Arab philosopher-scientist Yaqub al-Kindi, which have never been translated into English (some, which I have translated myself, are now included in an appendix to this book). I realized that in that work I had found key evidence to demonstrate how the medieval Arab perfume makers had been the bridge in perfume history between ancient and modern times. Perfumery could now be seen as an art with a continuous history of development since the dawn of civilization. **Africa, the Cradle of Human Diversity Cultural and Biological Approaches to Uncover African Diversity** *Africa-Europe Group for Interd* "This book explores important chapters of past and recent African history from a multidisciplinary

perspective. It covers an extensive time range from the evolution of early humans to the complex cultural and genetic diversity of modern-day populations in Africa. Through a comprehensive list of chapters, the book focuses on different time-periods, geographic regions and cultural and biological aspects of human diversity across the continent. Each chapter summarises current knowledge with perspectives from a varied set of international researchers from diverse areas of expertise. The book provides a valuable resource for scholars interested in evolutionary history and human diversity in Africa. Contributors are Shaun Aron, Ananyo Choudhury, Bernard Clist, Cesar Fortes-Lima, Rosa Fregel, Jackson S. Kimambo, Faye Lander, Marlize Lombard, Fidelis T. Masao, Ezekia Mtetwa, Gilbert Pwiti, Michèle Ramsay, Thambi Russell, Carina Schlebusch, Dhriti Sengupta, Plan Shenjere-Nyabezi, Mário Vicente"-- **Phoenix in Action** *Simon and Schuster* Summary Phoenix is a modern web framework built for the Elixir programming language. Elegant, fault-tolerant, and performant, Phoenix is as easy to use as Rails and as rock-solid as Elixir's Erlang-based foundation. Phoenix in Action builds on your existing web dev skills, teaching you the unique benefits of Phoenix along with just enough Elixir to get the job done. Foreword by Sasa Juric, author of Elixir in Action, Second Edition. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Modern web applications need to be efficient to develop, lightning fast, and unfailingly reliable. Phoenix, a web framework for the Elixir programming language, delivers on all counts. Elegant and intuitive, Phoenix radically simplifies the dev process. Built for concurrency, Phoenix channels make short work of developing real-time applications. And as for reliability, Phoenix apps run on the battle-tested Erlang VM, so they're rock solid! About the Book Phoenix in Action is an example-based book that teaches you to build production-quality web apps. You'll handle business logic, database interactions, and app designs as you progressively create an online auction site. As you go, you'll build everything from the core components to the real-time user interactions where Phoenix really shines. What's inside Functional programming in a web environment An introduction to Elixir Database interactions with Ecto Real-time communication with channels About the Reader For web developers familiar with a framework like Rails or ASP.NET. No experience with Elixir or Phoenix required. About the Author Geoffrey Lessel is a seasoned web developer who speaks and blogs about Elixir and Phoenix. Table of Contents PART 1 - GETTING STARTED Ride the Phoenix Intro to Elixir A little Phoenix overview PART 2 - DIVING IN DEEP Phoenix is not your application Elixir application structure Bring in Phoenix Making changes with Ecto.Changeset Transforming data in your browser Plugs, assigns, and dealing with session data Associating records and accepting bids PART 3 - THOSE IMPORTANT EXTRAS Using Phoenix channels for real-time communication Building an API Testing in Elixir and Phoenix **Ethnic Fermented Foods and Beverages of India: Science History and Culture** *Springer Nature* This book provides detailed information on the various ethnic fermented foods and beverages of India. India is home to a diverse food culture comprising fermented and non-fermented ethnic foods and alcoholic beverages. More than 350 different types of familiar, less-familiar and rare ethnic fermented foods and alcoholic beverages are traditionally prepared by the country's diverse ethnic groups, and include alcoholic, milk, vegetable, bamboo, legume, meat, fish, and cereal based

beverages. Most of the Indian ethnic fermented foods are naturally fermented, whereas the majority of the alcoholic beverages have been prepared using dry starter culture and the 'back-sloping' method for the past 6,000 years. A broad range of culturable and unculturable microbiomes and mycobiomes are associated with the fermentation and production of ethnic foods and alcoholic drinks in India. The book begins with detailed chapters on various aspects including food habits, dietary culture, and the history, microbiology and health benefits of fermented Indian food and beverages. Subsequent chapters describe unique and region-specific ethnic fermented foods and beverages from all 28 states and 9 union territories. In turn the classification of various ethnic fermented foods and beverages, their traditional methods of preparation, culinary practices and mode of consumption, socio-economy, ethnic values, microbiology, food safety, nutritional value, and process optimization in some foods are discussed in details with original pictures. In closing, the book addresses the medicinal properties of the fermented food products and their health benefits, together with corresponding safety regulations.

The Craft and Science of Coffee *Academic Press* The Craft and Science of Coffee follows the coffee plant from its origins in East Africa to its current role as a global product that influences millions of lives through sustainable development, economics, and consumer desire. For most, coffee is a beloved beverage. However, for some it is also an object of scientific study, and for others it is approached as a craft, both building on skills and experience. By combining the research and insights of the scientific community and expertise of the crafts people, this unique book brings readers into a sustained and inclusive conversation, one where academic and industrial thought leaders, coffee farmers, and baristas are quoted, each informing and enriching each other. This unusual approach guides the reader on a journey from coffee farmer to roaster, market analyst to barista, in a style that is both rigorous and experience based, universally relevant and personally engaging. From on-farming processes to consumer benefits, the reader is given a deeper appreciation and understanding of coffee's complexity and is invited to form their own educated opinions on the ever changing situation, including potential routes to further shape the coffee future in a responsible manner. Presents a novel synthesis of coffee research and real-world experience that aids understanding, appreciation, and potential action. Includes contributions from a multitude of experts who address complex subjects with a conversational approach. Provides expert discourse on the coffee value chain, from agricultural and production practices, sustainability, post-harvest processing, and quality aspects to the economic analysis of the consumer value proposition. Engages with the key challenges of future coffee production and potential solutions.

Giovanni Aurelio Augurello (1441-1524) and Renaissance Alchemy A Critical Edition of Chrysopoeia and Other Alchemical Poems, with an Introduction, English Translation and Commentary *BRILL* The first in-depth study of the life and works of Augurello, Italian alchemist, poet and art connoisseur from the time of Giorgione.

The Alchemical Virgin Mary in the Religious and Political Context of the Renaissance *Cambridge Scholars Publishing* This study explores the survival of Roman Catholic doctrine and visual imagery in the alchemical treatises composed by members of the Lutheran and Anglican confessions during the Renaissance and Early Modern periods. It discusses the reasons for such unexpected confessional

survivals in a time of extreme Protestant iconoclasm and religious reform. The book presents an analysis of the manner in which Catholic doctrines concerning the Virgin Mary, the Holy Trinity and the Eucharist were an essential factor in the development of alchemical theory and illustration from the medieval period to the seventeenth century. The role of the Joachimites, radical members of the Franciscan Order, in the history of alchemy is an important issue. The Apocalypse of St. John (the Book of Revelation) and other scriptural texts and specifically Roman Catholic Marian devotions are also considered regarding their influences on late medieval alchemy and on the sixteenth and seventeenth century alchemical literature composed by Protestants. Additional issues explored here include the role played by alchemy in strengthening the leaders of the European defence against the invading Ottoman Turks, as well as the importance of the figure of the Virgin Mary as the Apocalyptic Woman in the same cause. Special consideration is given to the role played by the apocalyptic Mary within alchemical texts and pictures as an emblem of the mercurial quintessence and also in her form as the Bride of the scriptural Wisdom books which also entered alchemical discourse. Additional issues discussed in this book include the little-regarded problem of "confessional" alchemy, namely, whether there were distinct "Protestant" and "Roman Catholic" types of alchemy. The treatises under consideration include the *Buch der Heiligen Dreifaltigkeit* (1419; 1433), the *Rosarium Philosophorum* (1550), Reusner's *Pandora* (1582; 1588) and the *Pandora of Faustius* (1706), as well as the work of Michael Maier, Robert Fludd, Johann Daniel Mylius, Jacob Boehme and pseudo-Nicolas Flamel, among many others. Their works are contextualised within the religious reforms instigated by Martin Luther, as well as within the unorthodox radical theology devised by Paracelsus and his alchemical followers. The Marian theology of Paracelsus is also of particular interest here.

Traditional Food Knowledge: New Wine Into Old Wineskins? *Frontiers Media SA*

The Seven Sisters of Sleep. Popular History of the Seven Prevailing Narcotics of the World *Digital Business Models Driving Transformation and Innovation Springer* This innovative edited collection explores digital business models (DBMs) in theory and practice to contribute to knowledge of how companies, organizations and networks can design, implement and apply DBMs. It views DBMs in a range of contexts and forms, which can be integrated in a number of ways, and aims to inspire and enable academics, students and practitioners to seize the opportunities posed by digital business models, technologies and platforms. One of the first and comprehensive contributions to the field of DBMs and digital business model innovations (DBMI), the authors discuss the opportunities, challenges, technologies, implementation and value creation, customer and data protection processes of DBMs in different contexts.

Nutraceutical, Nutrition Supplements and Human Health This Special Issue of *Nutrients* on "Nutraceutical, Nutrition Supplements, and Human Health" provides readers with contemporary knowledge on the role of functional foods, dietary supplements, and nutraceuticals in improving overall health and preventing chronic diseases. Various renowned international scientists, physicians, and other healthcare professionals have contributed to this compendium of excellent laboratory and clinical studies. The manuscripts provide evidence-based knowledge of nutritional compounds/functional food to improve many health conditions, including metabolic disorders, cardiovascular disease,

muscle metabolism, obesity, neurological disorders, infectious diseases, aging, and cancer. All contributions were thoroughly peer-reviewed by a distinguished panel of scientists, and only highly ranked manuscripts were included to ensure the quality of contents. This book is an excellent resource for academic personnel and students in nutrition research, dietitians, physicians, and consumers.

The Tao of Microservices *Simon and Schuster Summary* The Tao of Microservices guides you on the path to understanding how to apply microservice architectures to your own real-world projects. This high-level book offers a conceptual view of microservice design, along with core concepts and their application. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology An application, even a complex one, can be designed as a system of independent components, each of which handles a single responsibility. Individual microservices are easy for small teams without extensive knowledge of the entire system design to build and maintain. Microservice applications rely on modern patterns like asynchronous, message-based communication, and they can be optimized to work well in cloud and container-centric environments. About the Book The Tao of Microservices guides you on the path to understanding and building microservices. Based on the invaluable experience of microservices guru Richard Rodger, this book exposes the thinking behind microservice designs. You'll master individual concepts like asynchronous messaging, service APIs, and encapsulation as you learn to apply microservices architecture to real-world projects. Along the way, you'll dig deep into detailed case studies with source code and documentation and explore best practices for team development, planning for change, and tool choice. What's Inside Principles of the microservice architecture Breaking down real-world case studies Implementing large-scale systems When not to use microservices About the Reader This book is for developers and architects. Examples use JavaScript and Node.js. About the Author Richard Rodger, CEO of voxgig, a social network for the events industry, has many years of experience building microservice-based systems for major global companies. Table of Contents PART 1 - BUILDING MICROSERVICES Brave new world Services Messages Data Deployment PART 2 - RUNNING MICROSERVICES Measurement Migration People Case study: Nodezoo.com

Verse and Transmutation A Corpus of Middle English Alchemical Poetry (Critical Editions and Studies) *BRILL* Verse and Transmutation: A Corpus of Middle English Alchemical Poetry identifies and investigates a corpus of twenty-one anonymous Middle English recipes for the philosophers' stone through critical editions and studies on their histories in early modern manuscripts, literature and libraries. **Ontology Matching** *Springer Science & Business Media* Ontologies tend to be found everywhere. They are viewed as the silver bullet for many applications, such as database integration, peer-to-peer systems, e-commerce, semantic web services, or social networks. However, in open or evolving systems, such as the semantic web, different parties would, in general, adopt different ontologies. Thus, merely using ontologies, like using XML, does not reduce heterogeneity: it just raises heterogeneity problems to a higher level. Euzenat and Shvaiko's book is devoted to ontology matching as a solution to the semantic heterogeneity problem faced by computer systems. Ontology matching aims at finding correspondences between semantically related entities of different ontologies. These correspondences may stand for equivalence as well as other

relations, such as consequence, subsumption, or disjointness, between ontology entities. Many different matching solutions have been proposed so far from various viewpoints, e.g., databases, information systems, and artificial intelligence. The second edition of *Ontology Matching* has been thoroughly revised and updated to reflect the most recent advances in this quickly developing area, which resulted in more than 150 pages of new content. In particular, the book includes a new chapter dedicated to the methodology for performing ontology matching. It also covers emerging topics, such as data interlinking, ontology partitioning and pruning, context-based matching, matcher tuning, alignment debugging, and user involvement in matching, to mention a few. More than 100 state-of-the-art matching systems and frameworks were reviewed. With *Ontology Matching*, researchers and practitioners will find a reference book that presents currently available work in a uniform framework. In particular, the work and the techniques presented in this book can be equally applied to database schema matching, catalog integration, XML schema matching and other related problems. The objectives of the book include presenting (i) the state of the art and (ii) the latest research results in ontology matching by providing a systematic and detailed account of matching techniques and matching systems from theoretical, practical and application perspectives.

Handbook of Extemporaneous Preparation A Guide to Pharmaceutical Compounding A comprehensive and easy-to-follow guide to good practice in extemporaneous compounding. It incorporates the key findings and outputs from the UK National Advisory Board study, including advice on purchasing unlicensed medicines. It will be adopted as the standard for extemporaneous dispensing for NHS patients. Although the standards set out in this book are primarily written for implementation in NHS hospitals, the principles should be equally applied across the profession internationally. Written in two parts, this book provides: standards for extemporaneous dispensing stability summaries for the 50 most commonly prepared extemporaneously prepared medicines in NHS hospitals. Compounding of pharmaceutical formulations remains a core skill of pharmacists and is taught at undergraduate level. Written by experts in the field with input from the UK NHS Pharmaceutical Quality Assurance Committee, this book will be an invaluable reference for any clinical or procurement pharmacist, pharmacy technician or student involved with extemporaneous preparation.

Narrow But Endlessly Deep The struggle for memorialisation in Chile since the transition to democracy ANU Press On 11 September 1973, the Chilean Chief of the Armed Forces Augusto Pinochet overthrew the Popular Unity government of Salvador Allende and installed a military dictatorship. Yet this is a book not of parties or ideologies but public history. It focuses on the memorials and memorialisers at seven sites of torture, extermination, and disappearance in Santiago, engaging with worldwide debates about why and how deeds of violence inflicted by the state on its own citizens should be remembered, and by whom. The sites investigated — including the infamous National Stadium — are among the most iconic of more than 1,000 such sites throughout the country. The study grants a glimpse of the depth of feeling that survivors and the families of the detained-disappeared and the politically executed bring to each of the sites. The book traces their struggle to memorialise each one, and so unfolds their idealism and hope, courage and frustration, their hatred, excitement, resentment,

sadness, fear, division and disillusionment. 'This is a beautifully written book, a sensitive treatment of the issues and lives of those who have faced a great deal of loss, most often as unsung heroes, in what are now recognized as Chilean sites of memory. The book is a testament to people who have not been asked to speak, until Peter Read and Marivic Wyndham ask them to tell their stories. They do not shy away from hard tensions about memorialization, the difficulties of challenging a powerful state and the long and arduous struggles to ensure less powerful voices are heard.' — Professor Katherine Hite, Frederick Ferris Thompson Chair of Political Science, Vassar College, USA.

Goddesses, Elixirs, and Witches Plants and Sexuality throughout Human History *Springer* From the earliest times, the medicinal properties of certain herbs were connected with deities, particularly goddesses. Only now with modern scientific research can we begin to understand the basis and rationality that these divine connections had and, being preserved in myths and religious stories, they continued to have a significant impact through the present day. Riddle argues that the pomegranate, mandrake, artemisia, and chaste tree plants substantially altered the development of medicine and fertility treatments. The herbs, once sacred to Inanna, Aphrodite, Demeter, Artemis, and Hermes, eventually came to be associated with darker forces, representing the instruments of demons and witches. Riddle's ground-breaking work highlights the important medicinal history that was lost and argues for its rightful place as one of the predecessors.

Cannabinoids as Therapeutics *Springer Science & Business Media* Only a few years ago the endocannabinoid system was unknown. Today we are aware that endocannabinoids are involved in many of the functions of the mammalian body - in neuroprotection, appetite and suckling, pain, reproduction, anxiety, memory, bone formation etc. This volume presents an up-to-date picture of some of the major fields of endocannabinoid research. It summarizes the actions of the endocannabinoids on various physiological systems and opens new therapeutic windows to a large number of diseases. The first chapter, on the use of Cannabis in India, can be viewed as an expression of thanks to the herbal practitioners, who for centuries passed on the medical traditions associated with the drug. The chapter on chemistry is a short summary of active plant, synthetic and endogenous cannabinoids being investigated today, many of which are mentioned later in the book. Cannabidiol is an unusual cannabinoid - it does not bind to the known receptors and yet exerts a variety of effects. Hence a chapter is devoted to it. Further chapters deal with the endocannabinoid system and the endocannabinoids in a variety of conditions and physiological systems. The concluding chapter describes the research done on Sativex®, a standardized plant extract, shortly to be introduced in Canada as a drug for multiple sclerosis. The intended audience is drug researchers (medicinal chemists, pharmacologists, clinicians), neuroscientists, physiologists, and clinicians interested in the effect of the endocannabinoid system in various physiological systems.

In Defense of Catholic Action Day of Empire How Hyperpowers Rise to Global Dominance--and Why They Fall *Doubleday* In a little over two centuries, America has grown from a regional power to a superpower, and to what is today called a hyperpower. But can America retain its position as the world's dominant power, or has it already begun to decline? Historians have debated the rise and fall of empires for centuries. To date, however, no one has studied the far rarer phenomenon of hyperpowers—those few societies

that amassed such extraordinary military and economic might that they essentially dominated the world. Now, in this sweeping history of globally dominant empires, bestselling author Amy Chua explains how hyperpowers rise and why they fall. In a series of brilliantly focused chapters, Chua examines history's hyperpowers—Persia, Rome, Tang China, the Mongols, the Dutch, the British, and the United States—and reveals the reasons behind their success, as well as the roots of their ultimate demise. Chua's unprecedented study reveals a fascinating historical pattern. For all their differences, she argues, every one of these world-dominant powers was, at least by the standards of its time, extraordinarily pluralistic and tolerant. Each one succeeded by harnessing the skills and energies of individuals from very different backgrounds, and by attracting and exploiting highly talented groups that were excluded in other societies. Thus Rome allowed Africans, Spaniards, and Gauls alike to rise to the highest echelons of power, while the "barbarian" Mongols conquered their vast domains only because they practiced an ethnic and religious tolerance unheard of in their time. In contrast, Nazi Germany and imperial Japan, while wielding great power, failed to attain global dominance as a direct result of their racial and religious intolerance. But Chua also uncovers a great historical irony: in virtually every instance, multicultural tolerance eventually sowed the seeds of decline, and diversity became a liability, triggering conflict, hatred, and violence. The United States is the quintessential example of a power that rose to global dominance through tolerance and diversity. The secret to America's success has always been its unsurpassed ability to attract enterprising immigrants. Today, however, concerns about outsourcing and uncontrolled illegal immigration are producing a backlash against our tradition of cultural openness. Has America finally reached a "tipping point"? Have we gone too far in the direction of diversity and tolerance to maintain cohesion and unity? Will we be overtaken by rising powers like China, the EU or even India? Chua shows why American power may have already exceeded its limits and why it may be in our interest to retreat from our go-it-alone approach and promote a new multilateralism in both domestic and foreign affairs.

Essential Oils in Food Preservation, Flavor and Safety *Academic Press* *Essential Oils in Food Preservation, Flavor and Safety* discusses the major advances in the understanding of the Essential Oils and their application, providing a resource that takes into account the fact that there is little attention paid to the scientific basis or toxicity of these oils. This book provides an authoritative synopsis of many of the complex features of the essential oils as applied to food science, ranging from production and harvesting, to the anti-spoilage properties of individual components. It embraces a holistic approach to the topic, and is divided into two distinct parts, the general aspects and named essential oils. With more than 100 chapters in parts two and three, users will find valuable sections on botanical aspects, usage and applications, and a section on applications in food science that emphasizes the fact that essential oils are frequently used to impart flavor and aroma. However, more recently, their use as anti-spoilage agents has been extensively researched. Explains how essential oils can be used to improve safety, flavor, and function Embraces a holistic approach to the topic, and is divided into two distinct parts, the general aspects and named essential oils Provides exceptional range of information, from general use insights to specific use and application information, along with geographically specific information

Examines traditional and evidence-based uses Includes methods and examples of investigation and application **Veterinary Pharmacology and Toxicology** *Springer Science & Business Media* **Microservices in .net Core With C#, the Nancy Framework, and Owin Middleware** *Manning Publications* Microservices are responsible for very tightly focused capabilities that are part of a more complex server-side software system. Microservices, when done well, are malleable, scalable, resilient, and allow a short lead time from start of implementation to deployment to production. When using microservices, the need for the technology to be lightweight and low ceremony grows, because creating new microservices needs to be quick and easy. OWIN is great for reuse of plumbing code and a lightweight web framework, like Nancy, is ideal. Microservices in .NET Core teaches readers how to build and deploy secure and operations-friendly microservices using Nancy. The book starts with an introduction to the microservices architectural style. Next, readers learn important practical aspects of developing microservices from simple core concepts to more sophisticated. Throughout the book, readers will see many code examples implementing it with lightweight .NET technologies' most prominently Nancy. By the end, they'll be able to quickly and easily build reliable and operations-friendly microservices using Nancy, OWIN and other open technologies. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. **The Summa Perfectionis of Pseudo-Geber A Critical Edition, Translation and Study** *BRILL* The present work contains a critical edition, translation, and study of the "Summa perfectionis" of Pseudo-Geber, the most influential of the many texts of medieval alchemy. The study addresses such questions as the author's identity, his corpuscular theory of matter, the influence of the "Summa," and its own sources. **Innovation Management and New Product Development** *Pearson Education* This is an ideal introduction to the processes and issues of managing technological innovation and the development of new products. It offers students a contemporary view of innovation management that focuses on the links between groups. **On Rereading** *Harvard University Press* After retiring from teaching literature, Patricia Meyer Spacks embarked on a year-long project of rereading dozens of novels: childhood favorites, young adult fiction, canonical works she didn't like, guilty pleasures. *On Rereading* records the surprising, fascinating results of her personal experiment and raises a number of intriguing questions. **Innovation Management and New Product Development** *Pearson* Revised edition of the author's Innovation management and new product development, 2012. **ECIE 2017 12th European Conference on Innovation and Entrepreneurship** *Academic Conferences and publishing limited* **Elements, Principles and Corpuscles A Study of Atomism and Chemistry in the Seventeenth Century** *Springer Science & Business Media* In *Elements, Principles and Particles*, Antonio Clericuzio explores the relationships between chemistry and corpuscular philosophy in the age of the Scientific Revolution. Science historians have regarded chemistry and corpuscular philosophy as two distinct traditions. Clericuzio's view is that since the beginning of the 17th century atomism and chemistry were strictly connected. This is attested by Daniel Sennert and by many hitherto little-known French and English natural philosophers. They often combined a corpuscular theory of matter with Paracelsian chemical (and medical) doctrines. Boyle plays a central part in the present book:

Clericuzio redefines Boyle's chemical views, by showing that Boyle did not subordinate chemistry to the principles of mechanical philosophy. When Boyle explained chemical phenomena, he had recourse to corpuscles endowed with chemical, not mechanical, properties. The combination of chemistry and corpuscular philosophy was adopted by a number of chemists active in the last decades of the 17th century, both in England and on the Continent. Using a large number of primary sources, the author challenges the standard view of the corpuscular theory of matter as identical with the mechanical philosophy. He points out that different versions of the corpuscular philosophy flourished in the 17th century. Most of them were not based on the mechanical theory, i.e. on the view that matter is inert and has only mechanical properties. Throughout the 17th century, active principles, as well as chemical properties, are attributed to corpuscles. Given its broad coverage, the book is a significant contribution to both history of science and history of philosophy. **The Book Of Minerals** *Dalcassian Publishing Company*