The Clinical Application Of Shang Han Formulae

Discussion of Cold Damage (Shang Han Lun) and contemporary texts of ancient China form the bedrock of modern Chinese medicine practice, yet these classic texts contain many concepts that are either hard to understand or confusing. Based on over thirty years' medical practice, and study of the texts, this book explains the concepts involved so that the clinical applications of the ancient texts can be better understood and put into practice. The author looks at the larger context of ancient Chinese culture and philosophy in terms of theoretical knowledge, scholarly approach, and mindset in order to explain the basis for the medical texts. He also discusses the work of later Chinese medical scholars in elucidating the texts. He then goes on to look at more specific issues, such as the six conformations, zang-fu organ theory, the theory of qi and blood, the theory of qi transformation, and how these are understood in the ancient texts. He also discusses shao yang and tai yang theory; the element of time, and its place in understanding six conformations diseases. This remarkable work of scholarship will clarify many questions about the interpretation of the ancient texts for modern use, and will find a place on the bookshelf of every practitioner of Chinese medicine, as well as on those of scholars of Chinese medicine.

Pulsed Electromagnetic Fields for Clinical Applications presents the historical development, the state of art, and the future of the application of pulsed electromagnetic fields (PEMFs) for the treatment of various medical problems, including initiating various healing processes from delayed fractures and pain relief to multiple sclerosis and Parkinson's disease. The emphasis is on the development of scientific methods to be implemented in clinical application. In perspective, this modality provides a practical, exogenous method for inducing cell and tissue modification attempted to the injured tissues to their normal physiological status. The book reviews the current state of equipment for PEMFs and highlights worldwide therapeutic achievements. It explores the past, present, and future of PEMF therapies. It presents the development of theory and laboratory research during the last 70 years. It reviews the available equipment for PEMF. It reviews the state of the art of worldwide therapeutic achievements. It includes recent achievements and applications of electroporation modalities. First multi-year cumulation covers six years: 1965-70. Bioprocessing for Value-Added Products from Renewable Resources provides a timely review of new and unconventional techniques for manufacturing high-value products based on simple biological material. The book discusses the principles underpinning modern industrial biotechnology and describes a unique collection of novel bioprocesses for a sustainable future. This book begins in a very structured way. It first looks at the modern technologies that form the basis for creating a bio-based industry before describing the various organisms that are suitable for bioprocessing - from bacteria to algae - as well as their unique characteristics. This is followed by a discussion of novel, experimental bioprocesses, such as the production of medicinal chemicals, the production of chiral compounds and the design of biofuel cells. The book concludes with examples where biological, renewable resources become an important feedstock for large-scale industrial production. This book is suitable for researchers, practitioners, students, and consultants in the bioprocess and biotechnology fields, and for others who are interested in biotechnology, engineering, industrial microbiology and chemical engineering. -Reviews the
principles underpinning modern industrial biotechnology - Provides a unique collection of novel bioprocesses for a sustainable future - Gives examples of economical use of renewable resources as feedstocks - Suitable for both non-experts and experts in the bioproduct industry. The prominence of the Bupleurum species cannot be overstated. Across China and Japan, it serves as a main or supplementary ingredient in over two thirds of traditional medications. For over 2000 years, it has been used to treat fevers, intestinal maladies, malaria, and countless other afflictions. Modern research indicates that it may possess anti-This book is a guide to proven, current clinical endodontic practice. It is designed, primarily, with the undergraduate readership in mind but is also suitable for anyone pursuing specialist training, including extended skills in endodontology, and general dental practitioners undertaking CPD, or wishing to keep up-to-date. The seventh edition is available with an online question bank containing MCQs and Clinical Cases. Practical approach to the subject, taking the reader through every step of endodontic practice from its scientific basis to patient assessment and through to clinical techniques. Helpful pedagogic features – including Learning Outcomes and Summary Boxes – help reinforce learning. International experts and contributors help ensure good coverage and currency of information. Explores areas of debate when they exist to reflect differing approaches to treatment intervention. Explains the potential impact of systemic conditions and disorders, as well as medications, on endodontic treatment planning and management. Discusses the diagnosis of orofacial pain and the appropriate use of antibiotics and analgesics. Explores the maintenance of pulp vitality and the prevention of apical periodontitis in the context of operative dentistry. Provides an overview of instruments and devices used during endodontic treatment. Describes the fundamental principles of canal filling using gutta-percha, as well as the use of alternative materials, and newer root filling techniques. Discusses the management of dental trauma with emphasis on accurate diagnosis, timely and appropriate treatment, and follow-up. Explores the interface between endodontic-periodontal disease in the context of diagnosis, treatment, and prognostic assessment. Discusses common challenges such as inadequate pain control and problems with preparation and filling of the root canal system. Written at a level which is ideal for dental students, general dental practitioners and those pursuing specialist training or seeking to keep up-to-date. Comes with access to an online question bank containing a wide range of MCQs and Clinical Cases to help reinforce learning! Richly illustrated with over 80 colour artworks – many created by the Gray's Anatomy illustration team – and 350 photographs, many of which are previously unpublished. Explores advances in our understanding of the role of microorganisms in the pathogenesis of pulpal and periradicular diseases and the role of host defence response against root canal infection. Explores the use of newer imaging techniques such as three-dimensional tomography in determining pulp space anatomy and in treatment planning. Explains recent advances in material technology, molecular biology and regenerative medicine in the management of deep cavities and maintenance of pulp vitality. Explores the effective use of existing and newer chemomechanical preparation techniques and intracanal medication for thorough root canal system decontamination. Explores advances in the techniques available for restoring endodontically treated teeth. Jingfang means Classical herbal formulas, which are introduced in book Shanghan Lun and used in Traditional Chinese medicine from the history. It is said that if the identification of the indications for each formula set correctly, the healing effects of such formula is excellent. However, it is not completely established what should be correct indications for each formula. Different TCM doctors have different opinions. This book is the collection of current opinions and clinical experience of some current Chinese herbalists. I wish that from their valuable clinical experience in the use of Classical formulas, we can better understand the indications of the Classical formulas. Data here are collected from books and online. It is a useful reference book for those doctors who practice Traditional Chinese medicine, especially on Classical formulas. Two of the major texts in the history of tongue diagnosis are presented and put into context in this volume, reaffirming the strength of tongue diagnosis as a core diagnostic method. These key texts are made available to western readers for the first time, with typical, traditional Chinese editions reproduced alongside the translation. The author provides an excellent overview of the tongue diagnosis theories in the major classics prior to the Yuan Dynasty (1271-1368), and discusses significant developments and publications. The Gold Mirror Records, first published in 1341, was a popular manual for centuries, appearing in many editions and variations. Tongue Reflections in Cold Damage, first published in 1668, developed the field of diagnosis as a whole by adopting the analysis of tongue colour as its main principle. Both texts are introduced with meticulous English translations and notes. This seminal text will give practitioners and students of Chinese medicine a sound understanding of the theory and practice of tongue diagnosis from the early texts, and will be of interest to academic readers of classic Chinese texts. The collaborative effort of nearly 100 China scholars from around the world, this unique one-volume reference provides 89 in-depth biographies of important Chinese women from the fifth century B.C.E. to the early twentieth century. New paradigms for Shang Han Lun Integrating Korean Sasang Constitutional Medicine and Japanese Kampo Medicine. Here are two outstanding clinical methodologies for the prescription of
traditional Asian herbal medicine that have been practiced in China, Korea, and Japan but not fully adopted in traditional Asian medical education in the US. These two can be indicators in prescribing formulas based on Shang Han Lun, one from the individual constitutional perspective of Dr. Lee Jema and the other from the single herbal functional perspective of Dr. Todo Yoshimas. The author believes these are crucial clues to putting together all the pieces of the vast information in Asian herbal formula practice, yet need to be further studied and proved in clinical settings. Her clinical case studies are also added after the introduction of Dr. Lee and Dr. Todos studies. These clinical cases will provide herbal practitioners with stepping stones on the journey to mastering Asian Medicine. This book provides; - How to identify four different body types based on Korean Sasang Constitutional Medicine - The keys to use the right formula for the right person - An introduction to the unique theories and formulas of Sasang Constitutional Medicine - An introduction to Yakucho, which is the list of the indications and pharmacologic effects for various herbs that were used in Shang Han Lun and Jin Gui Yao Lue - Clinical case studies that show how to use Sasang Constitutional formulas and Shang Han Lun formulas based on SCM theories and Yakucho - Kang Ping Shang Han Lun, which is the closest edition to the original, translated delivering the meaning more accurately by distinguishing big letters from small letters as in the original text. The Shang Han Lun (On Cold Damage) is among the oldest surviving, the most copiously annotated and the most revered of Chinas traditional medical texts. Of all of Chinas early medical classics, the Shang Han Lun is undoubtedly the one with the greatest relevance to the modern practice of Chinese medicine, and the one most deserving of Western attention. It was the first book to attempt to incorporate medicinal therapy into the medicine of systematic correspondences and channels and network vessels. Far ahead of its time in both theory and practice, it is not surprising that the prescriptions it contains comprise an important part of todays medicinal formulary. A major new translation of the Chinese classic Shang Han Lun by scholar and medical doctor Guohui Liu makes this foundational text fully accessible to English speaking clinicians for the first time. Extensive study and research underpins the translation; the author's understanding of both classical and modern Chinese enables him to interpret fully the ancient work within the theory of Chinese medicine. An extensive commentary explains the translation, the difficulties with the text, how it has been subsequently translated and expands on the theory laid out in the original text to reach an understanding that can be applied in the clinic for diagnosis and treatment. The value of this classic text lies primarily in its establishment of a basic framework for differentiation and treatment, but it also presents 112 formulas and 88 medicinal substances, which are commonly applied in clinical work for various conditions. In this edition, the 112 formulas are fully explained in the context of the clinical experiences of well-known ancient and modern doctors, and they are also laid out in two appendices, cross referenced to the text. Biologically Active Peptides: From Basic Science to Applications for Human Health stands as a comprehensive resource on bioactive peptide science and applications. With contributions from more than thirty global experts, topics discussed include bioactive peptide science, structure-activity relationships, best practices for their study and production, and their applications. In the interdisciplinary field of bioactive peptides, this book bridges the gap between basic peptide chemistry and human physiology, while reviewing recent advances in peptide analysis and characterization. Methods and technology-driven chapters offer step-by-step guidance in peptide preparation from different source materials, bioactivity assays, analysis and identification of bioactive peptides, encoding bioactive peptides. Later, applications across disease areas and medical specialties are examined in-depth, including the use of bioactive peptides in treating obesity, diabetes, osteoporosis, mental health disorders, food allergies, and joint health, among other disorders, as well as bioactive peptides for sensory enhancement, sports and clinical nutrition, lowering cholesterol, improving cardiovascular health, and driving advances in biotechnology. Discusses the latest advances in bioactive peptide chemistry, functionality and analysis. Offers step-by-step instruction in applying new technologies for peptide extraction, protection, production and encoding, as well as employing bioactive peptide sequencing and bioactivity assays in new research. Effectively links basic peptide chemistry, human biology and disease. Features chapter contributions from international experts across disciplines and applications. New paradigms for Shang Han Lun Integrating Korean Sasang Constitutional Medicine and Japanese Kampo Medicine Here are two outstanding clinical methodologies for the prescription of traditional Asian herbal medicine that have been practiced in China, Korea, and Japan but not fully adopted in traditional Asian medical education in the US. These two can be indicators in prescribing formulas based on Shang Han Lun, one from the individual constitutional perspective of Dr. Lee Jema and the other from the single herbal functional perspective of Dr. Todo Yoshimas. The author believes these are crucial clues to putting together all the pieces of the vast information in Asian herbal formula practice, yet need to be further studied and proved in clinical settings. Her clinical case studies are also added after the introduction of Dr. Lee and Dr. Todo's studies. These clinical cases will provide herbal practitioners with stepping stones on the journey to mastering Asian Medicine. 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four different body types based on Korean Sasang Constitutional Medicine - The keys to use the right formula for the right person - An introduction to the unique theories and formulas of Sasang Constitutional Medicine - An introduction to Yakucho, which is the list of the indications and pharmacologic effects for various herbs that were used in Shang Han Lun and Jin Gui Yao Lue - Clinical case studies that show how to use Sasang Constitutional formulas and Shang Han Lun formulas based on SCM theories and Yakucho - Kang Ping Shang Han Lun, which is the closest edition to the original, translated delivering the meaning more accurately by distinguishing big letters from small letters as in the original text. The history of Chinese medicine hinges on three major turning points: the formation of canonical theory in the Han dynasty; the transformation of medicine via the integration of earlier medical theories and practices in the Song dynasty; and the impact of Western medicine from the nineteenth century onwards. This book offers a comprehensive overview of the crucial second stage in the evolution of Chinese medicine by examining the changes in Chinese medicine during the pivotal era of the Song dynasty. Scholars often characterize the Song era as a time of change in every aspect of political, social, intellectual or economic life. More specifically it focuses on three narratives of change: the emperor's interest in medicine elevated the status of medicine in the eyes of the elite, leading to an increased involvement of intellectuals and the literary elite in medicine; government officials systematically revised, printed, and promulgated earlier heterogeneous medical manuscripts belonging to various traditions; the government established unique imperially sponsored medical institutions to handle public health and other aspects of medicine. As the first book to study the transformation medicine underwent during the Song period this volume will appeal to Sinologists and scholars of the history of medicine alike. The Hwa and Taeguk Five Element acupuncture techniques are among the most commonly practiced constitutionally-based methods in modern day Korea. These simple and effective methods incorporate Five Elemental Theory to address a myriad of physiological and psychological issues. The Hwa Acupuncture method emphasizes the use of pulse examination, and the Taeguk method, the insertion of needles to determine the patient's constitution. Treatment according to these methods is primarily focused on balancing constitutionally excessive and deficient organ systems while simultaneously addressing the patients direct concerns. The SAGE Encyclopedia of Pharmacology and Society explores the social and policy sides of the pharmaceutical industry and its pervasive influence in society. While many technical STM works explore the chemistry and biology of pharmacology and an equally large number of clinically oriented works focus on use of illegal drugs, substance abuse, and treatment, there is virtually nothing on the immensely huge business (“Big Pharma”) of creating, selling, consuming, and regulating legal drugs. With this new Encyclopedia, the topic of socioeconomic, business and consumer, and legal and ethical issues of the pharmaceutical industry in contemporary society around the world are addressed. Key Features: 800 signed articles, authored by prominent scholars, are arranged A-to-Z and published in a choice of electronic or print formats Although arranged A-to-Z, a Reader's Guide in the front matter groups articles by thematic areas Front matter also includes a Chronology highlighting significant developments in this field All articles conclude with Further Readings and Cross References to related articles Back matter includes an annotated Resource Guide to further research, a Glossary, Appendices (e.g., statistics on the amount and types of drugs prescribed, etc.), and a detailed Index The Index, Reader's Guide, and Cross References combine for search-and-browse capabilities in the electronic edition The SAGE Encyclopedia of Pharmacology and Society is an authoritative and rigorous source addressing the pharmacology industry and how it influences society, making it a must-have reference for all academic libraries as a source for both students and researchers to utilize. ABOUT THE BOOK: This book introduces and teaches the clinical applications of acupuncture. Using the theory of traditional Chinese medicine from the previous study such as the Classic of Internal Medicine (Nei Jing), Treatise on Cold Damage (Shang Han Lun), Synopsis of the Golden Chamber (Jin Gui Yao Lue), and Warm Disease Theory (Wen Bing Xue). Learners will be introduced to the integration of all aspects of access to various diseases and to identify the status of the diseases. This book covers the basic concepts and study of various medical conditions. Through the study of this book, learners will be expected to demonstrate the ability to diagnose and determine treatment based on the diagnosis. They will also be expected to evaluate the effectiveness of the treatment and its implementation for each patient. The causes and treatments of the diseases are explained and discussed in the book include: Abdominal Pain, Abdominal Distension, Asthma, Arthralgia (Paralysis /Muscular Atrophy), Common cold, Cough, Constipation, Diarrhea, Dysentery, Deviation of eye and mouth, Dizziness, Edema, Epilepsy, Epigastric Pain, Facial pain, Headache, Hiccups, Impotence, Insomnia, Jaundice, Malaria, Melancholia, Manic-Depression disorder, Low back pain, Nocturnal Emuresis Prolapsed of Rectum, Palpitation, Pain in Hypochondriac region, Retention of Urine, Syncope, Stroke, Suns Stroke, Urination Disturbance and Vomiting. It also combines the supplementary acupuncture meridians and points, list of medicinal herbals and other applications: • The eight extraordinary vessels: 1. The Conception Vessel 2. The Governing Vessel 3. The Penetrating Vessel 4. The
Girdling Vessel 5. The Yin Motility Vessel 6. The Yang Motility Vessel 7. The Yin Linking Vessel 8. The Yang Linking Vessel • 12 primary Meridians and figures (309 acupuncture points) • Front Mu and Back Shu points of the Meridians • 147 medicinal herbal names and figures • Method of acupuncture measurement • Tongue and pulse diagnosis

Essentials of Chinese Materia Medica and Medical Formulas: New Century Traditional Chinese Medicine presents specific knowledge about the source, medicinal nature, action and application of more than 800 commonly-used Chinese materia medica, as well as the efficacy and application of more than 740 kinds of commonly-used Chinese medical formulas. Notably, all of the content is presented in table form, making the information easier to access, understand and apply. Each primary herbal medicine is introduced with color pictures, and each primary formula is presented with efficacy analysis pictures. The book provides readers with essential information on Chinese materia medica and formulas and how to use them accurately, including the most common Chinese materia medica used in clinics and in commonly used clinical formulas. This is an essential reference for traditional medical professionals and those interested in traditional Chinese medicine, including advanced undergraduate and postgraduate students. Includes over 800 Chinese materia medica and 740 medical formulas with their essential information Combines 514 color pictures of medicine material crude slices and 255 formulary efficacy analysis pictures Organized with concise forms, facilitating understanding and memorization

Kampo medicine is a traditional medicine that originated from China over two thousand years ago. It was adopted by the Japanese and remained there for many years until modern times. Kampo medicine is now becoming increasingly recognized as an important therapeutic method alongside Western practice. In Japan itself, every principal hospital uses Kam

This book is a printed edition of the Special Issue "Acupuncture – Basic Research and Clinical Application" that was published in Medicines

Diagnostic Molecular Biology describes the fundamentals of molecular biology in a clear, concise manner to aid in the comprehension of this complex subject. Each technique described in this book is explained within its conceptual framework to enhance understanding. The targeted approach covers the principles of molecular biology including the basic knowledge of nucleic acids, proteins, and genomes as well as the basic techniques and instrumentations that are often used in the field of molecular biology with detailed procedures and explanations. This book also covers the applications of the principles and techniques currently employed in the clinical laboratory. • Provides an understanding of which techniques are used in diagnosis at the molecular level • Explains the basic principles of molecular biology and their application in the clinical diagnosis of diseases • Places protocols in context with practical applications Consisting of 88 parts detailing famed Dr Yue's clinical experience in treating stubborn diseases, including chronic nephritis and uremia, as well as acute and chronic infectious diseases such as hepatitis, this book is an excellent reference for the clinician looking for solutions to difficult cases. This book elucidates how genetic, biological and medical information can be applied to the development of personalized healthcare, medication and therapies. Focusing on aspects of the development of evidence-based approaches in bioinformatics and computational medicine, including data integration, methodologies, tools and models for clinical and translational medicine, it offers an essential introduction to clinical bioinformatics for clinical researchers and physicians, medical students and teachers, and scientists working with human disease-based omics and bioinformatics. Dr. Xiangdong Wang is a distinguished Professor of Medicine. He is Director of Shanghai Institute of Clinical Bioinformatics, Director of Fudan University Center for Clinical Bioinformatics, Deputy Director of Shanghai Respiratory Research Institute, Director of Biomedical Research Center, Fudan University Zhongshan Hospital, Shanghai, China; Dr. Christian Baumgartner is a Professor of Health Care and Biomedical Engineering at Institute of Health Care Engineering with European Notified Body of Medical Devices, Graz University of Technology, Graz, Austria; Dr. Denis Shields is a Professor of Clinical Bioinformatics at Conway Institute, Belfield, Dublin, Ireland; Dr. Hong-Wen Deng is a Professor at Department of Biostatistics and Bioinformatics, Tulane University School of Public Health and Tropical Medicine, USA; Dr. Jacques S Beckmann is a Professor and Director of Section of Clinical Bioinformatics, Swiss Institute of Bioinformatics, Switzerland. Internationally renowned Dr. Huang has written over ten herbal textbooks compiling his personal views and clinical experience of indispensable and useful formulas of Chinese medicine. This book compares and analyzes the relative terms from the Discussion on Cold Damage (Shang Han Lun) and the Essential Prescriptions of the Golden Cabinet, (Jin Gui Yao Lue) in combination with the clinical experiences of Dr. Huang. It discusses the clinical applications and indications for 50 medicinals that were frequently used by ancient doctor Zhang Zhong-jing. Shang Han Lun was written in approx 200 AD and remains a seminal text in Chinese medicine literature and is mandatory study in all accredited courses of Chinese medicine today. It analyses the aetiology and pathogenesis of acute upper respiratory tract infections (the common cold, influenza, bronchitis, asthma) and describes the many permutations as well as subsequent complications. It is not just a study of coughs and colds but lays the groundwork for Chinese medical theory and its strategies of
treatment. It also explains the consequences of incorrect treatment and discusses how the omission or addition of even one herb to a formula can affect its efficacy. This is the book that makes understanding a complex classic text easy. Greta Young benefits the reader with her years of expertise in studying and lecturing in the classics and guides us through the myriad clauses elucidating their meaning, citing points of discussion from various sources and illustrating their application with modifications and case studies. Robin Marchment has translated each clause in a way which is faithful to the original Chinese whilst still making the meaning accessible to the English-speaker. The explanations and discussions use clear English in a free-flowing lecturing style which holds the reader's interest. Each chapter or section is introduced with an overview, key points are highlighted and summarised at the end and, in addition, both Ancient Applications and Modern Applications are described. The objective is to make it interesting, readable and of practical clinical significance to today's practitioners. The ancient practices of Chinese medicine are often misconstrued by more modern Traditional Chinese Medicine in Westernised texts. This book expands our knowledge of the full potential of Chinese medical practices using an approach characterised by Grandmaster Wan as the 3E approach (easy, economical and efficient). Introduces readers to the state of the art of omics platforms and all aspects of omics approaches for clinical applications. This book presents different high throughput omics platforms used to analyze tissue, plasma, and urine. The reader is introduced to state of the art analytical approaches (sample preparation and instrumentation) related to proteomics, peptidomics, transcriptomics, and metabolomics. In addition, the book highlights innovative approaches using bioinformatics, urine miRNAs, and MALDI tissue imaging in the context of clinical applications. Particular emphasis is put on integration of data generated from these different platforms in order to uncover the molecular landscape of diseases. The relevance of each approach to the clinical setting is explained and future applications for patient monitoring or treatment are discussed.

Integration of omics Approaches and Systems Biology for Clinical Applications presents an overview of state of the art omics techniques. These methods are employed in order to obtain the comprehensive molecular profile of biological specimens. In addition, computational tools are used for organizing and integrating these multi-source data towards developing molecular models that reflect the pathophysiology of diseases. Investigation of chronic kidney disease (CKD) and bladder cancer are used as test cases. These represent multi-factorial, highly heterogeneous diseases, and are among the most significant health issues in developed countries with a rapidly aging population. The book presents novel insights on CKD and bladder cancer obtained by omics data integration as an example of the application of systems biology in the clinical setting. Describes a range of state of the art omics analytical platforms Covers all aspects of the systems biology approach—from sample preparation to data integration and bioinformatics analysis Contains specific examples of omics methods applied in the investigation of human diseases (Chronic Kidney Disease, Bladder Cancer) Integration of omics Approaches and Systems Biology for Clinical Applications will appeal to a wide spectrum of scientists including biologists, biotechnologists, biochemists, biophysicists, and bioinformaticians working on the different molecular platforms. It is also an excellent text for students interested in these fields. The understanding and treatment of infectious and other externally-contracted diseases has been a central concern of Chinese medicine for millennia. Especially during the past few centuries, the concepts and treatment approaches of the warm pathogen disease school have percolated throughout Chinese medical thought. Modern practitioners apply them in the diagnosis and treatment of a wide variety of serious illnesses, including many which are common in the West, such as auto-immune disorders. Warm Pathogen Diseases: A Clinical Guide (Revised Edition) provides an in-depth, clinically oriented approach to this important subject. The introductory chapters tell the compelling story of how traditional Chinese physicians, primarily from the seventeenth through the nineteenth centuries, developed the theories and concepts of warm pathogen disease in response to the health crises of their time, which included a number of epidemics. The evolution of their approach to etiology, pathogenesis, diagnosis, and treatment, discussed in this volume, demonstrates how traditional medicine has evolved to meet contemporary needs. The second part of the book describes the various types of warm pathogen disease from a clinical perspective. Here the author discusses the manifestations, pathogenesis, treatment principles, and formulas for each type. Case histories show how theory is actually applied in the clinic. A variety of approaches is presented, which avoids the tendency to portray traditional Chinese medicine as an unchanging, monolithic entity. Over time, these differences have led to much creative foment and improvement in the efficacy of treatment. The author also addresses aspects of dosage and preparation that are generally omitted from standard textbooks. This part of the book will be particularly welcome to practitioners, who will find it useful in the clinic. Rounding out the volume is an extensive bibliography of original source materials, supplemented by the complete Xuan yuan auricular Jingluo system and the 50-meridian differentiation pattern. This pattern enables practitioners to differentiate, and then utilize, 50 meridians in their clinical practice, augmenting the 14-meridian pattern that has been used since the Yuan dynasty. Throughout the book, the author
has created the images of the Xuanyuan auricular Jingluo system, illustrating the origin of meridians in the ear, the direction of the energy flow of meridians, and the connection between the ear and macro (body) meridians. Included are images of the big Collateral of the Spleen, the Jiaji Mai, the Chong Mai, and the Collaterals of Du Mai, Ying-qi, and Wei-qi, which have never before been delineated. The clinical applications for various illness and disorders, as well as challenging problems facing modern patients, are explained in Chapters 3 and 4, with step-by-step guidelines to master the clinical approach and treatment. In summary, this book represents an innovative development in Traditional Chinese Medicine and in the Jingluo system as outlined in the classic texts of the Nei Jing and Nan Jing. Miraculous Cures is a clinically-oriented case book based on patients treated by top ancient and contemporary masters. It will offer insights into the formulas that are the basis of Chinese Herbal Medicine, accompanied by Dr. Shima's expert commentary. For those dedicated to the study of the Shang Han Lun, it will provide that essential connection between theoretical understanding and clinical application. Written in a versatile, contemporary style that will benefit both novice and expert alike, Biological and Biomedical Coatings Handbook, Two-Volume Set covers the state of the art in the development and implementation of advanced thin films and coatings in the biological field. Consisting of two volumes—Processing and Characterization and Applications—this handbook details the latest understanding of advances in the design and performance of biological and biomedical coatings, covering a vast array of material types, including bio-ceramics, polymers, glass, chitosan, and nanomaterials. Contributors delve into a wide range of novel techniques used in the manufacture and testing of clinical applications for coatings in the medical field, particularly in the emerging area of regenerative medicine. Building on the theoretical and methodological fundamentals of coatings as presented in the first volume, Applications covers: Biological/biomedical implants and other applications of carbon-based materials Control of drug release from coatings Microfluidic and biosensing/bioactive coatings and applications Surfaces and coatings of orthopedic, dental, and other implants Sol–gel-derived hydroxyapatite coatings on metallic implants Impedance spectroscopy With chapters authored by world experts at the forefront of research in their respective areas, this timely set provides searing insights and practical information to explore a subject that is fundamental to the success of biotechnological pursuits. The Shang Han Lun is widely regarded as one of the most important book in Chinese medicine, yet it is also considered the most difficult to master. This title presents case studies organized around the use of nearly 50 classical formulas, followed by other case studies from the author's extensive clinical experience.