

香港浸會大學李棕博士中醫藥圖書館

# 館藏與服務推廣通訊

HKBU Dr. Stephen Riady Chinese Medicine Library  
LIBRARY COLLECTION AND SERVICES PROMOTION NEWSLETTER

## 新書推介 New Book

中醫藥圖書館新到館電子圖書（英文）

## 第12期 Issue No.12

2024 年 2 月  
February 2024

# 引言

本通訊主要推廣中醫藥圖書館的到館新書、新購電子書、中醫藥相關教材、數據庫與平台、軟件與工具、特色館藏、圖書館的服務設施，以及重要的通知公告及其他信息服務等。

本期是通訊的第十二期，主要推介十五種新到館的英文電子圖書，內容涵蓋現代技術在藥物開發和臨床疾病中的創新應用。在藥物開發和藥物發現方面，內容包括納米技術和其他現代技術在藥物發現中的應用，不同智慧材料在新型藥物輸送系統中的應用，藥物發現的特定支架研究，藥物基因組學，分子藥理學在藥物開發中的應用，以及如何科學地管理藥物發現的整個過程；在臨床疾病研究方面，內容包括再生醫學和幹細胞療法在關節和骨骼疾病中的最新進展，自噬功能障礙在神經退行性疾病中的研究，並探索通過自噬調節進行藥物開發的可能性；其他內容包括對COVID-19和結合醫學的全面介紹，以及對南非草藥典中25種藥用植物的介紹等。

香港浸會大學李棕博士中醫藥圖書館“館藏與服務推廣通訊(Library Collection and Services Promotion Newsletter)”旨在向中醫藥學院的老師和同學推廣中醫藥圖書館的館藏與服務，更好地為教學、臨床與科研提供支持。如果您對通訊的內容有任何的意見和建議，歡迎聯絡中醫藥圖書館，聯繫方式如下：

- 電郵：libcm@hkbu.edu.hk
- 電話：(852) 3411 2714

感謝您對中醫藥圖書館的關注與支持！

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09	Joint and Bone : From Bench to Bedside	Deming Jiang, Ahmed El-Hashash, Deming Jiang, Ahmed El El-Hashash	Elsevier (2023)
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# Phytopharmaceuticals and Herbal Drugs : Prospects and Safety Issues in the Delivery of Natural Products

**Manju Rawat Singh and Deependra Singh**

Elsevier Science & Technology (2023)

EBOOK ISBN: 9780323993692

## Description

Phytopharmaceuticals and Herbal Drugs: Prospects and Safety Issues in the Delivery of Natural Products explores the delivery aspects of plant-based drugs, providing insights into formulation constraints associated with plant-based drugs, the development of novel delivery systems based on polymers or lipids, and how combining natural products with technological advancements in drug delivery is making large strides. Some of the best-selling drugs for the treatment of diseases like cancer, ulcers and malaria are either natural products or their derivatives, all of which are covered in this comprehensive resource.

This book will be useful to researchers working in plant-derived medicines and the development of their delivery systems, including sections on their derivatives and analogs that represent over 50% of all drugs in clinical use. Active ingredients originated from plant resources generally exhibit compromised desired effects limited by issues such as stability, solubility, molecular size, bioavailability and toxicity.

- Includes perspectives from academic and industry research
- Provides information on the safety, regulatory aspects and clinical aspects related to plant-based drugs
- Introduces developments of new targeted drug delivery systems

## 新書推介 NEW BOOK

### PHYTOPHARMACEUTICALS AND HERBAL DRUGS PROSPECTS AND SAFETY ISSUES IN THE DELIVERY OF NATURAL PRODUCTS



EDITED BY  
MANJU RAWAT SINGH  
DEEPENDRA SINGH



01

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# Privileged Scaffolds in Drug Discovery

**Bin Yu, Ning Li and Caiyun Fu**

Elsevier Science & Technology (2023)

EBOOK ISBN: 9780443186127

## Description

Privileged Scaffolds in Drug Discovery is the most complete and up-to-date work in the area. Covering a wide range of privileged structures, it is a perfect reference for scientists involved in targeted drug development.

The editors recruited experts from several prestigious Chinese institutions to cover the areas of antiviral drugs, chalcone, pyrimidine, (benz)imidazoles, natural product-derived privileged scaffolds, N-Sulfonyl carboxamides, kinase inhibitors, antitumor molecules, antineurodegenerative drugs, triazoles, oxazolidinone, indole and indoline scaffolds, tigliane diterpenoids, peptide and peptide-based drugs, quassinoids, and others including pseudonatural products, macrocycles, stable peptides and peptidomimetics. The book also explores scaffolds in drug molecules approved in recent years.

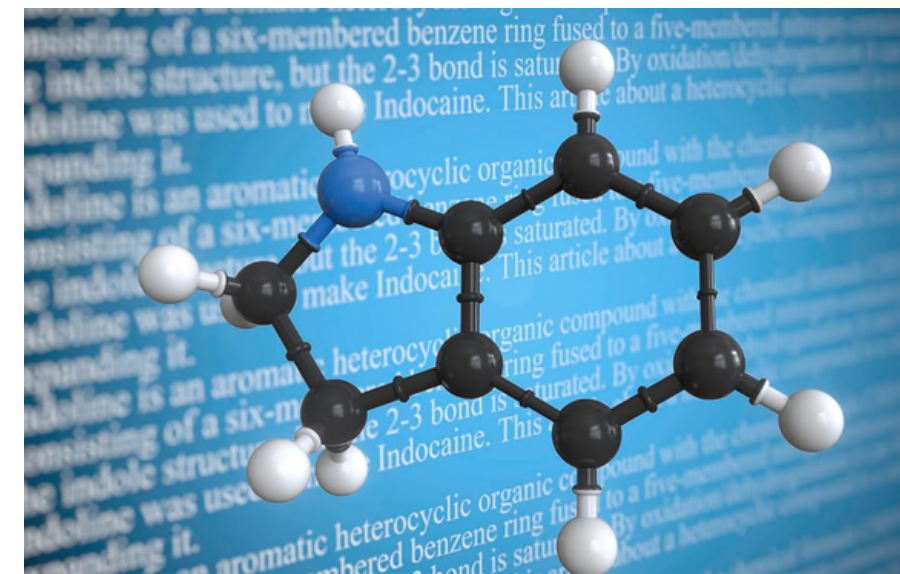
Privileged Scaffolds in Drug Discovery is a complete reference for researchers in drug discovery and organic synthesis, in academic and corporate settings, who are investigating privileged structures upon which to base new drugs. Researchers in medicinal chemistry and chemical biology will also find the contents of this book valuable.

- Provides wide coverage of privileged scaffolds in new drug discovery
- Includes complex and diverse natural product scaffolds
- Covers applications to peptides and peptide-based drugs

\*部份內容來源於出版社網站及其他相關網站

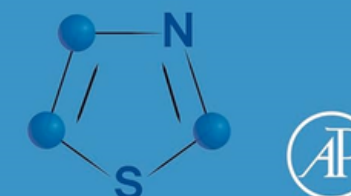
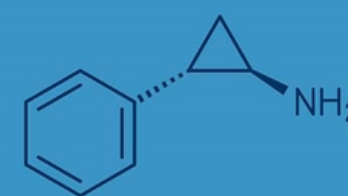
# 新書推介

## NEW BOOK



## PRIVILEGED SCAFFOLDS IN DRUG DISCOVERY

Edited by Bin Yu, Ning Li and Caiyun Fu



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# Nanotechnology in Herbal Medicine : Applications and Innovations

Sabu Thomas, Adebola Omowunmi Oyedeji,  
Oluwatobi Samuel Oluwafemi and Rose Jaquilin PJ

Elsevier Science & Technology (2023)

EBOOK ISBN: 9780323995283

## Description

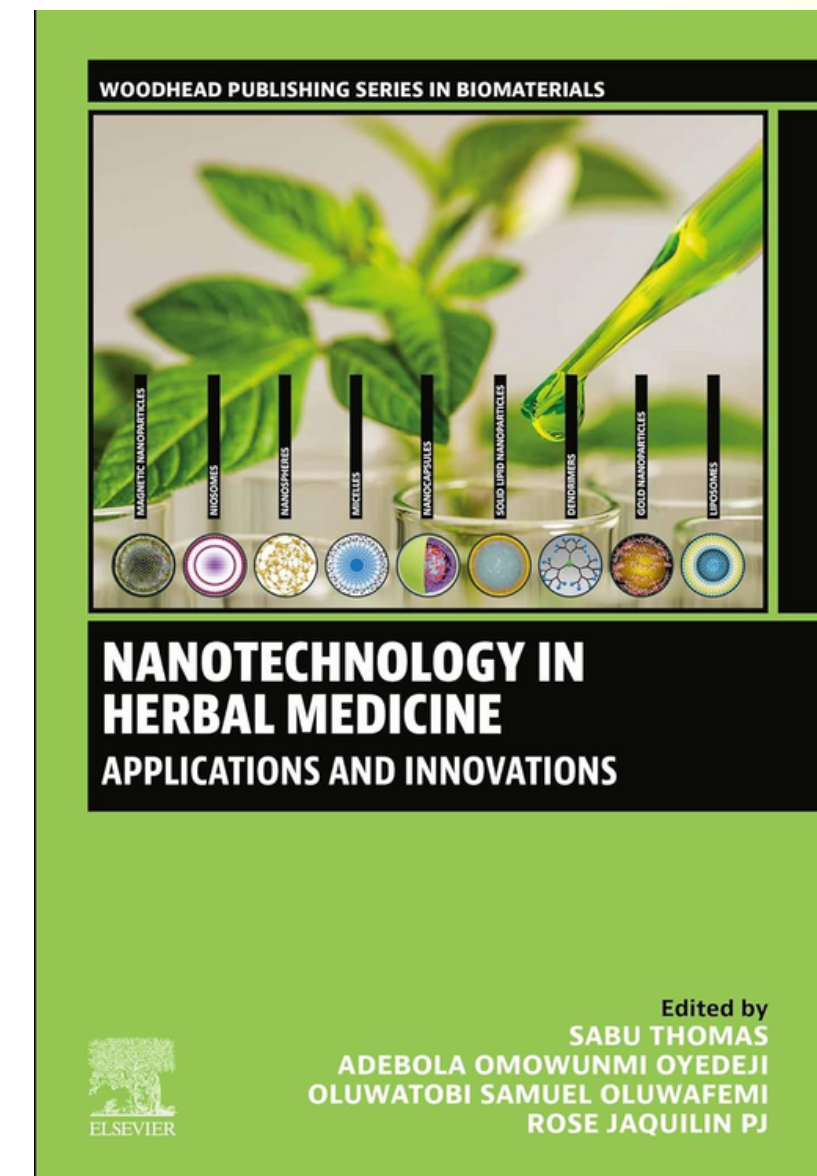
Nanotechnology in Herbal Medicine: Applications and Innovations details how nanomaterials can be utilized to improve the therapeutic mechanisms and key properties of herbal drugs. This book guides the reader through the preparation, properties, applications, benefits and challenges of herbal nanoformulations, helping them solve fundamental and applied problems in the area of novel herbal medicines and drug delivery systems. Herbal drugs play a large role in traditional medicines, which are actively used by many cultures across the globe for the treatment of various illnesses and injuries.

Despite their widespread use, herbal medicines may lead to possible health risks due to the lack of information on the chemical composition and permitted dosage.

- Covers a range of nanomaterial types for use in herbal medicine, including polymeric, metallic, carbon-based and magnetic nanoparticles, as well as dendrimers, liposomes, nanogels, and more
- Explores the variety of biomedical applications for herbal nanoformulations, such as in cancer therapy, cardiovascular disease and wound healing
- Weighs up the advantages and disadvantages of using nanotechnology in herbal medicine, with a focus on toxicological impact

## 新書推介 NEW BOOK

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# Nanotechnology and in Silico Tools : Natural Remedies and Drug Discovery

**Mital Kaneria and Kalpna Rakholiya**

Elsevier (2023)

EBOOK ISBN: 9780443154584

## Description

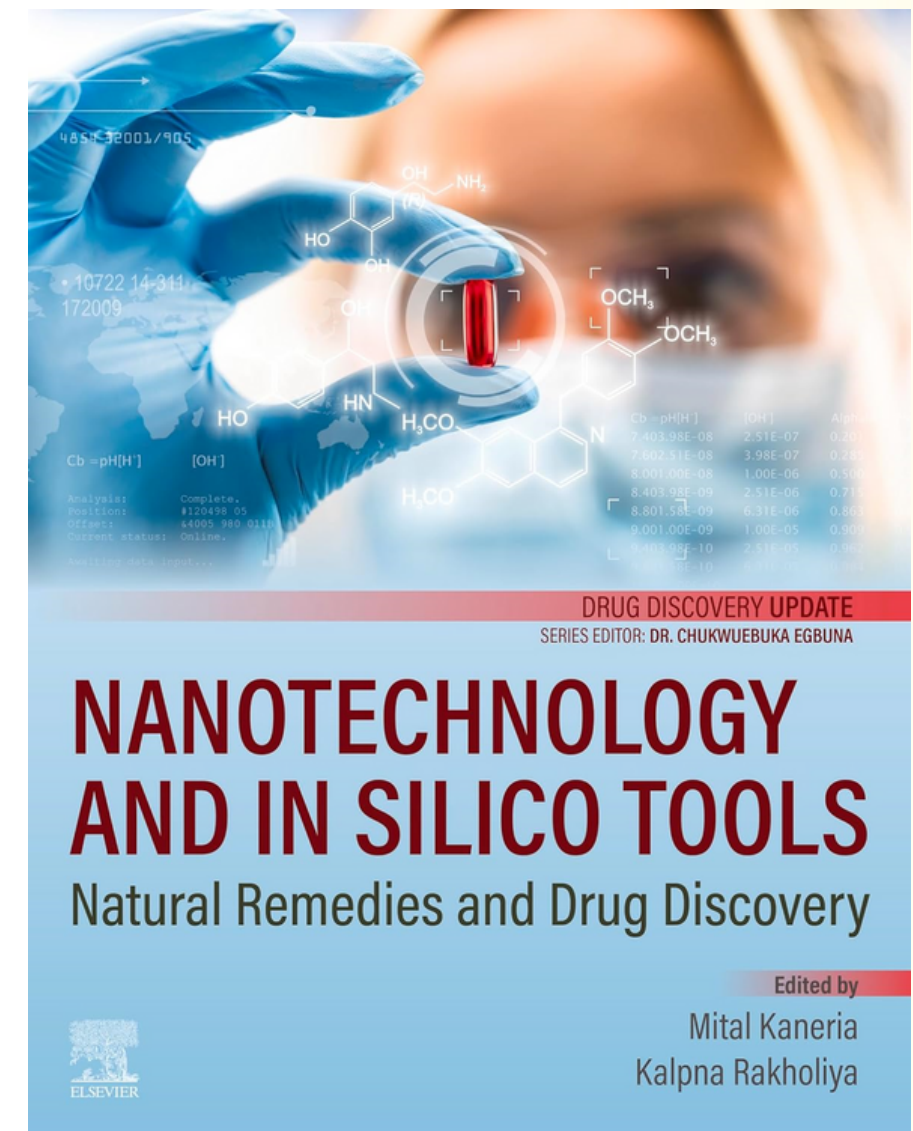
Nanotechnology and In Silico Tools: Natural Remedies and Drug Discovery provides the latest information and updates in the area of drug discovery. It covers aspects like nanomedicines, bioinformatics, molecular docking, molecular modeling, QSAR, virtual screening and computational chemistry as well as metabolomics research using various tools.

The drug discovery process accelerates the design of new leads for various life-threatening diseases and natural medicines. Silico tools have been an integral part of the drug discovery process, playing a major role as a template for drug discovery and offering a holistic approach to better management of various diseases. Nanotechnology and In Silico Tools: Natural Remedies and Drug Discovery combines the principles of natural medicines with refined modern technology to help chemists in the development of a more ecofriendly, and effective discovery process.

- Combines principles of natural medicines with refined modern technology
- Provides the latest updates on drug discovery
- Covers technologies for synthetic products that can be applied for the investigation of plant-derived natural remedies

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# Pharmacogenomics : From Discovery to Clinical Implementation

Showkat Ahmad Ganie, Aarif Ali, Muneeb U Rehman and Azher Arafah

Elsevier Science & Technology (2023)

EBOOK ISBN: 9780443153372

## Description

Pharmacogenomics: From Discovery to Clinical Implementation is a complete reference aimed at building a solid foundation of the key concepts in this fast-moving knowledge area.

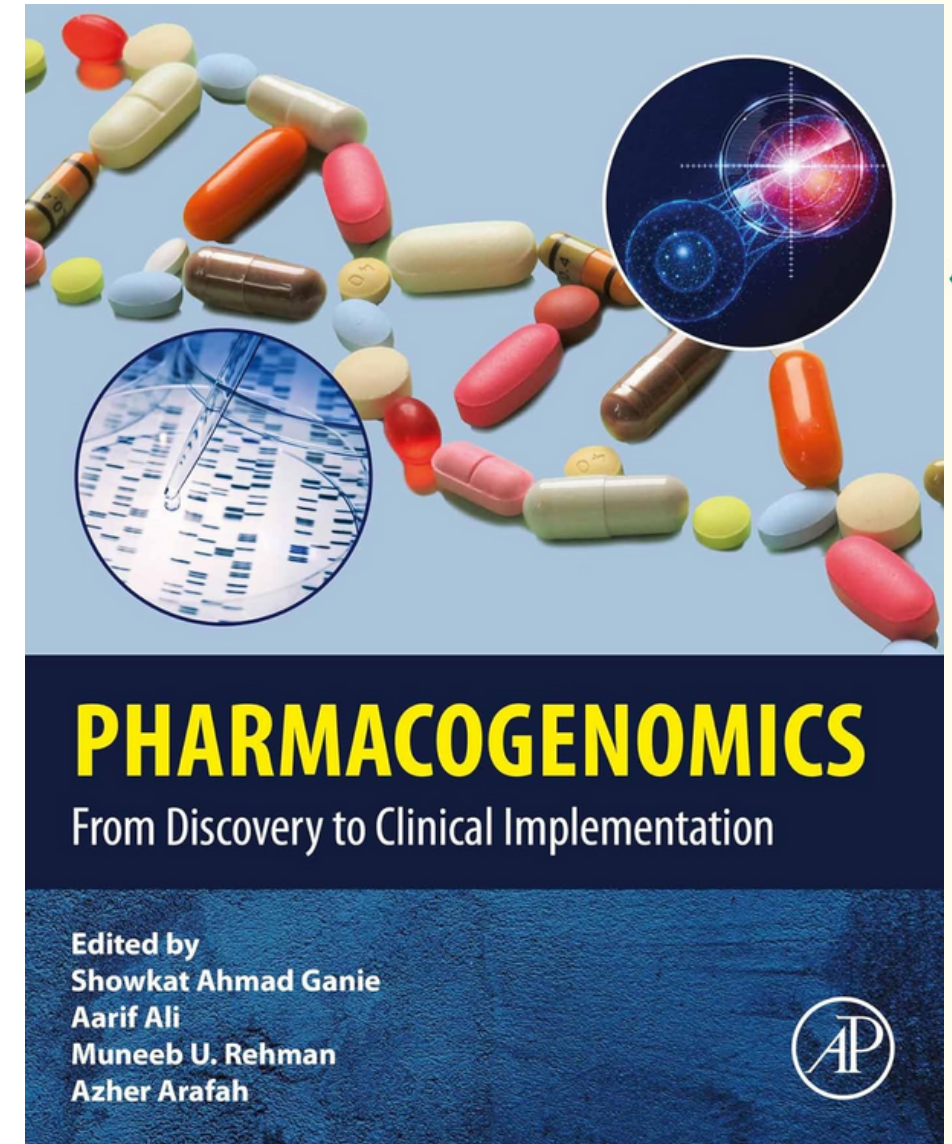
The editors lined up a group of worldwide experts to contribute to the book. Following a consistent chapter structure, the authors cover the foundational aspects of pharmacogenomics in the first four chapters of the book that include basic concepts, drug metabolism, drug discovery and development, and testing. The second part of the book is dedicated to detailed studies of key health conditions and the potential therapeutic applications of pharmacogenomics. Diseases covered include diabetes, cardiovascular diseases, psychiatric disease, cancer, pulmonary and respiratory diseases, viral diseases, gastroenterology, autoimmune diseases, immunosuppressants, and, finally, an overview of computational resources.

Pharmacogenomics: From Discovery to Clinical Implementation is the perfect resource for pharmaceutical science graduate students to learn the key concepts of the area. Researchers and graduate students in the related fields of Genetics, pharmacoepidemiology, molecular biology, and medicinal chemistry will also benefit of the structured approach of the book.

- Provides an in-depth review of pharmacogenomics and its role in drug discovery/metabolism and its clinical impacts
- Describes the practice of pharmacogenomics in the treatment of diabetes, cancers, cardiovascular diseases, psychiatric disorders, pulmonary diseases, infectious, gastroenterology, and autoimmune diseases
- Uses a consistent chapter structure to support understanding of the fundamental concepts in the area

\*部份內容來源於出版社網站及其他相關網站

## 新書推介 NEW BOOK



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# Visualization, Visual Analytics and Virtual Reality in Medicine : State-Of-the-art Techniques and Applications

**Bernhard Preim, Renata Raidou, Noeska Smit and Kai Lawonn**

Elsevier Science & Technology (2023)

EBOOK ISBN: 9780128231067

## Description

Visualization, Visual Analytics and Virtual Reality in Medicine: State-of-the-art Techniques and Applications describes important techniques and applications that show an understanding of actual user needs as well as technological possibilities. The book includes user research, for example, task and requirement analysis, visualization design and algorithmic ideas without going into the details of implementation. This reference will be suitable for researchers and students in visualization and visual analytics in medicine and healthcare, medical image analysis scientists and biomedical engineers in general.

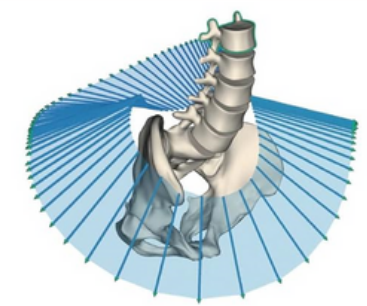
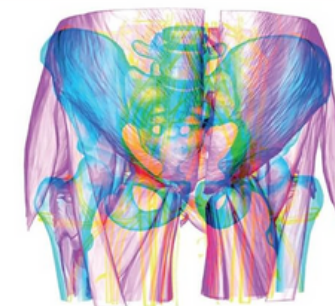
Visualization and visual analytics have become prevalent in public health and clinical medicine, medical flow visualization, multimodal medical visualization and virtual reality in medical education and rehabilitation. Relevant applications now include digital pathology, virtual anatomy and computer-assisted radiation treatment planning.

- Combines visualization, virtual reality and analytics
- Written by leading researchers in the field
- Gives the latest state-of-the-art techniques and applications

## 新書推介 NEW BOOK

### VISUALIZATION, VISUAL ANALYTICS AND VIRTUAL REALITY IN MEDICINE

State-of-the-art Techniques and Applications



Bernhard Preim  
Renata Raidou  
Noeska Smit  
Kai Lawonn



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# Recent Frontiers of Phytochemicals

Siddhartha Pati, Tanmay Sarkar and  
Dibyajit Lahiri

Elsevier (2023)

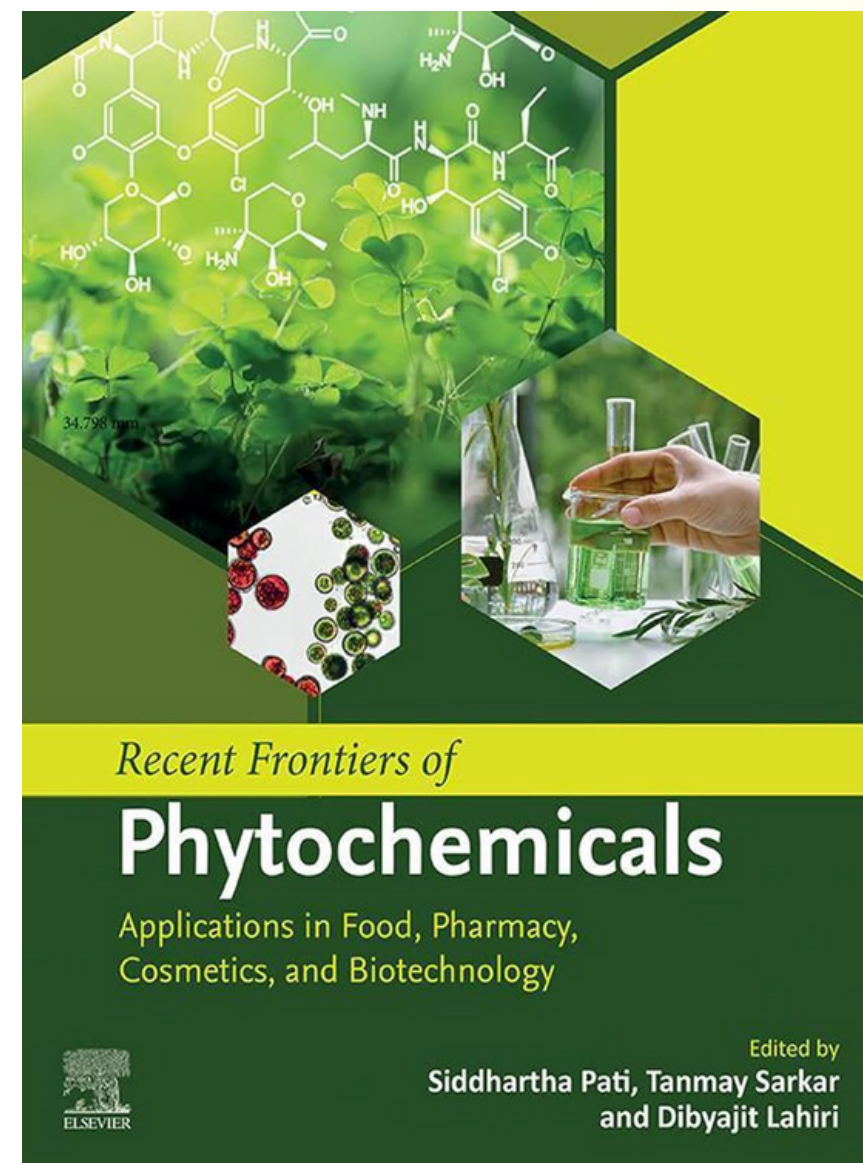
EBOOK ISBN: 9780443158087

## Description

Phytochemicals have been present in human diet and life since the birth of mankind, including the consuming of plant foods and the application of herbal treatments. This coevolutionary interaction of plants and people has resulted in humans' reliance on food and medicinal plants as sources of macronutrients, micronutrients, and bioactive phytochemicals. Phytochemicals can be used as adjuvant agents and sensitizers in traditional antibiotic and anticancer therapy, reducing the potential of selecting resistant microbial strains and cancer cells. Recent Frontiers of Phytochemicals addresses the many processes of potential phytochemical evaluation of known sources, with a focus on phytochemical and pharmacological evaluations, and computational research into the structures and pharmacological mechanisms of natural products and their applications in medicine, food and biotech.

- Novel extraction, characterization, and application method for phytochemicals in food, pharmacology, and biotechnology
- Colour illustrations and extensive tables with state-of-art information
- Covers potential sources of phytochemicals, their extraction and characterization techniques

## 新書推介 NEW BOOK



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# Managing the Drug Discovery Process : Insights and Advice for Students, Educators, and Practitioners (2nd edition)

Susan Miller, Walter Moos, Barbara Munk, Stephen Munk, Charles Hart and David Spellmeyer

Elsevier Science & Technology (2023)

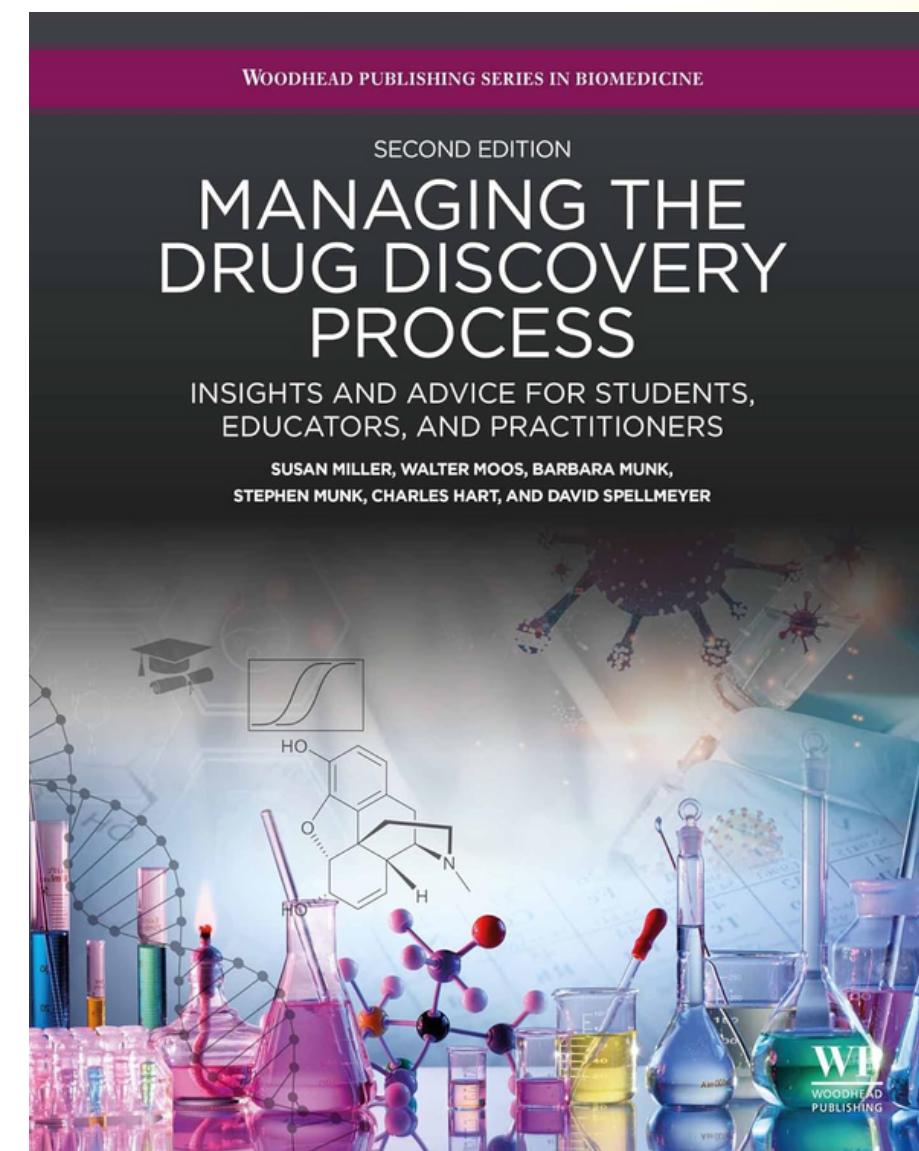
EBOOK ISBN: 9780128243053

## Description

Managing the Drug Discovery Process, Second Edition thoroughly examines the current state of pharmaceutical research and development by providing experienced perspectives on biomedical research, drug hunting and innovation, including the requisite educational paths that enable students to chart a career path in this field. The book also considers the interplay of stakeholders, consumers, and drug firms with respect to a myriad of factors. Since drug research can be a high-risk, high-payoff industry, it is important to students and researchers to understand how to effectively and strategically manage both their careers and the drug discovery process.

This new edition takes a closer look at the challenges and opportunities for new medicines and examines not only the current research milieu that will deliver novel therapies, but also how the latest discoveries can be deployed to ensure a robust healthcare and pharmacoeconomic future. All chapters have been revised and expanded with new discussions on remarkable advances including CRISPR and the latest gene therapies, RNA-based technologies being deployed as vaccines as well as therapeutics, checkpoint inhibitors and CAR-T approaches that cure cancer, diagnostics and medical devices, entrepreneurship, and AI. Written in an engaging manner and including memorable insights, this book is aimed at anyone interested in helping to save countless more lives through science. A valuable and compelling resource, this is a must-read for all students, educators, practitioners, and researchers at large—indeed, anyone who touches this critical sphere of global impact—in and around academia and the biotechnology/pharmaceutical industry.

## 新書推介 NEW BOOK



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# Joint and Bone : From Bench to Bedside

**Deming Jiang, Ahmed El-Hashash,  
Deming Jiang and Ahmed El El-Hashash**

Elsevier Science & Technology (2023)

EBOOK ISBN: 9780323983303

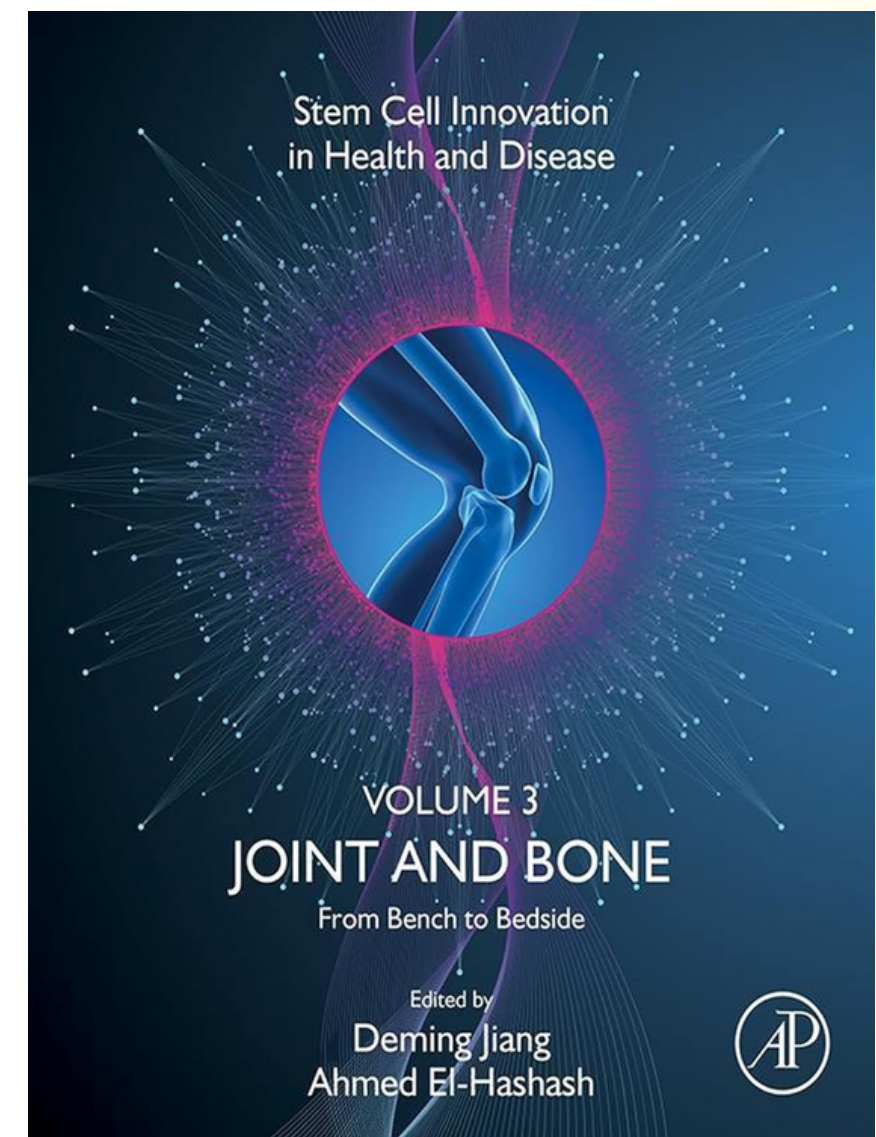
## Description

Joint and Bone: From Bench to Bedside, Volume Three, the latest release in the Stem Cell Innovation in Health and Disease series, is a timely and fascinating collection of information and new discoveries that provides a contemporary snapshot album from the fast-moving field of regenerative medicine and stem cell therapeutics. This new volume addresses the molecular players underlying iPSC formation, maintenance, and expansion and differentiation, bringing chapters that describe cutting-edge research for understanding stem cell functions in joint and bone diseases, and for developing methods to bring stem cells from bench to bedside.

Each chapter includes insights ranging from the use of mouse and human organoid cultures, genetic editing in vitro and in vivo, and human iPSCs to study stem cell functions and model joint and bone diseases.

- Provides cutting-edge research needed to understand stem cell functions in joint and bone diseases
- Develops processes to bring stem cells from bench to bedside
- Includes up-to-date references on stem cell biology and function in the joint and bone

## 新書推介 NEW BOOK



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# Textbook of SARS-CoV-2 and COVID-19 : Epidemiology, Etiopathogenesis, Immunology, Clinical Manifestations, Treatment, Complications and Preventive Measures

**Subramani Mani and Jorn-Hendrik Weitkamp**

Elsevier (2023)

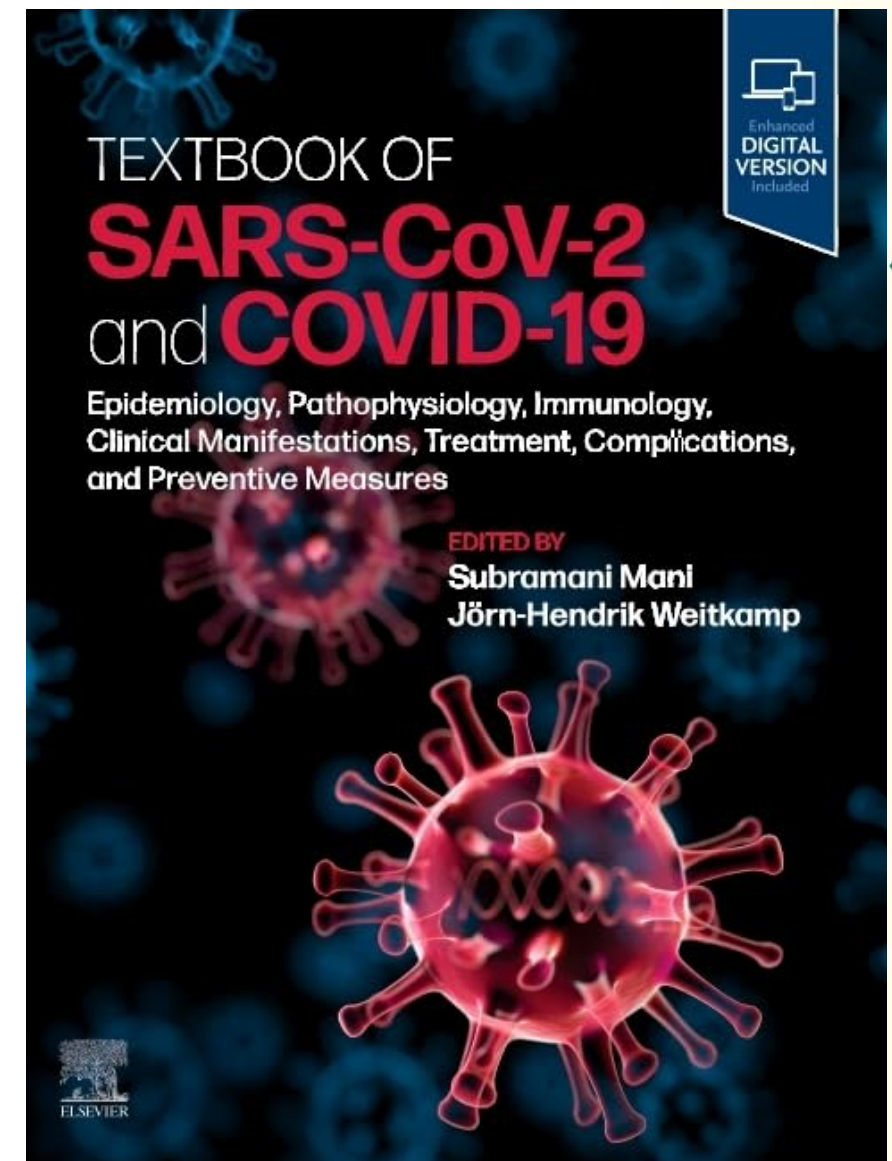
EBOOK ISBN: 9780323875400

## Description

Written by physicians and scientists with expertise in this evolving area, Textbook of SARS-CoV-2 and COVID-19 provides a coherent, readable, and clinically relevant review of the biology, epidemiology, pathophysiology, immunology, clinical features, current treatment, and prevention strategies for the SARS-CoV-2 virus. Using both a systemic and topic-based approach, it summarizes and clarifies the extensive literature published on SARS-CoV-2 and COVID-19, includes a comprehensive bibliography, and provides answers to clinical questions at the point of care from multiple specialty perspectives.

- Includes dedicated chapters for pulmonary, cardiac, neurological, and oral manifestations of COVID-19
- Covers therapeutics and novel therapeutic targets of SARS-CoV-2 and COVID-19
- Addresses the diagnostic and management challenges of COVID-19 in the emergency department
- Discusses COVID-19 in special populations, including the effect of SARS-CoV-2 infection in pregnant mothers and to the fetus and newborn
- Provides a systematic overview and comparison of vaccines that are approved and in development
- Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices

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# The South African Herbal Pharmacopoeia : Monographs of Medicinal and Aromatic Plants

Alvaro Viljoen, Maxleene Sandasi, Gerda Fouche, Sandra Combrinck and Ilze Vermaak

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323997959

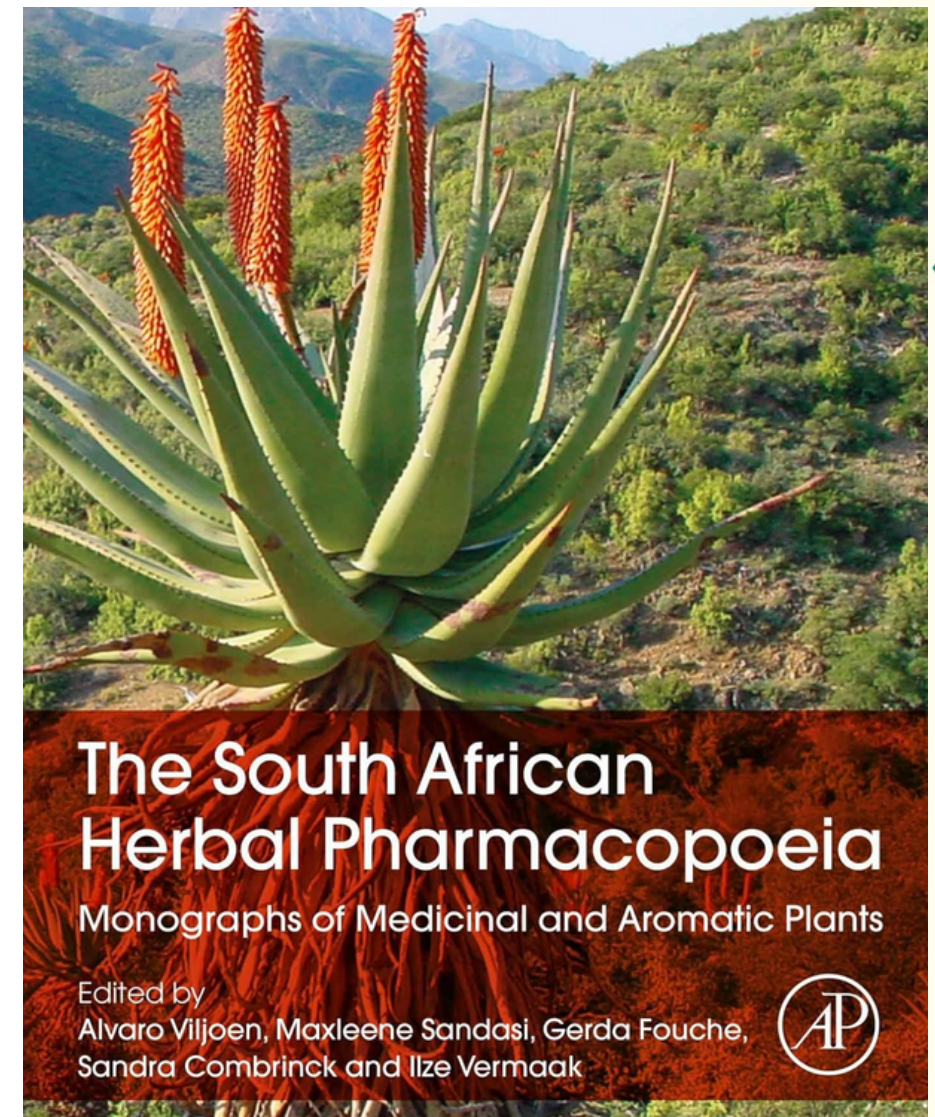
## Description

The South African Herbal Pharmacopoeia: Monographs of Medicinal and Aromatic Plants is a collection of 25 original monographs of medicinal plants that are currently under commercialization or have the potential for commercialization into herbal medicinal products for the global marketplace. Chapters include a general overview covering synonyms, common names, conservation status, botany, geographical distribution, ethnopharmacology, commercialization, pharmacological evaluation, chemical profiling and quality control, including HPTLC fingerprint analysis, UPLC analysis, gas chromatography and mid-infrared spectroscopy analysis.

Academics researching pharmacy and analytical chemistry will benefit from the detailed chemical profile on each species presented. Industrial manufacturers of herbal products, herbal medicines, cosmetics, food supplements, and national and international policymakers and regulators will benefit from the overview provided at the beginning of each chapter.

- Provides a comprehensive, up-to-date literature review on 25 medicinal plants of South Africa
- Documents quality control protocols for chemical fingerprinting and biomarker identification in plant material
- Includes updated safety profiles of medicinal plants

## 新書推介 NEW BOOK



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# Smart Polymeric Nano-Constructs in Drug Delivery : Concept, Design and Therapeutic Applications

**Suresh P Vyas, Udita Agrawal and Rajeev Sharma**

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323913997

## Description

Smart Polymeric Nano-Constructs in Drug Delivery: Concept, Design and Therapeutic Applications provides a thorough discussion of the most state of the art material and polymer exploitations for the delivery of bioactive(s) as well as their current and clinical status. The book enables researchers to prepare a variety of smart drug delivery systems to investigate their properties as well as to discover their uses and applications. The novelty of this approach addresses an existing need of exhaustively understanding the potential of the materials including polymeric drug delivery systems that are smartly designed to deliver bioactive(s) into the body at targeted sites without showing side effects.

The book is helpful for those in the health sector, specifically those developing nanomedicine using smart material-based nano-delivery systems. Polymers have unique co-operative properties that are not found with low-molecular-weight compounds along with their appealing physical and chemical properties, constituting the root of their success in drug delivery. Smart Polymeric Nano-Constructs in Drug Delivery: Concept, Design and Therapeutic Applications discusses smart and stimuli responsive polymers applicable in drug delivery, followed detailed information about various concepts and designing of polymeric novel drug delivery systems for treatment of various type of diseases, also discussing patents related to the field. The book helps readers to design and develop novel drug delivery systems based on smart materials for the effective delivery of bioactive that take advantage of recent advances in smart polymer-based strategies. It is useful to those in pharmaceutical sciences and related fields in developing new drug delivery systems.

## 新書推介 NEW BOOK



### Smart Polymeric Nano-Constructs in Drug Delivery

Concept, Design, and Therapeutic Applications

Edited by  
Suresh P. Vyas, Udita Agrawal,  
and Rajeev Sharma



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# Integrative Medicine (5th edition)

David P. Rakel and Vincent Minichiello

Elsevier (2022)

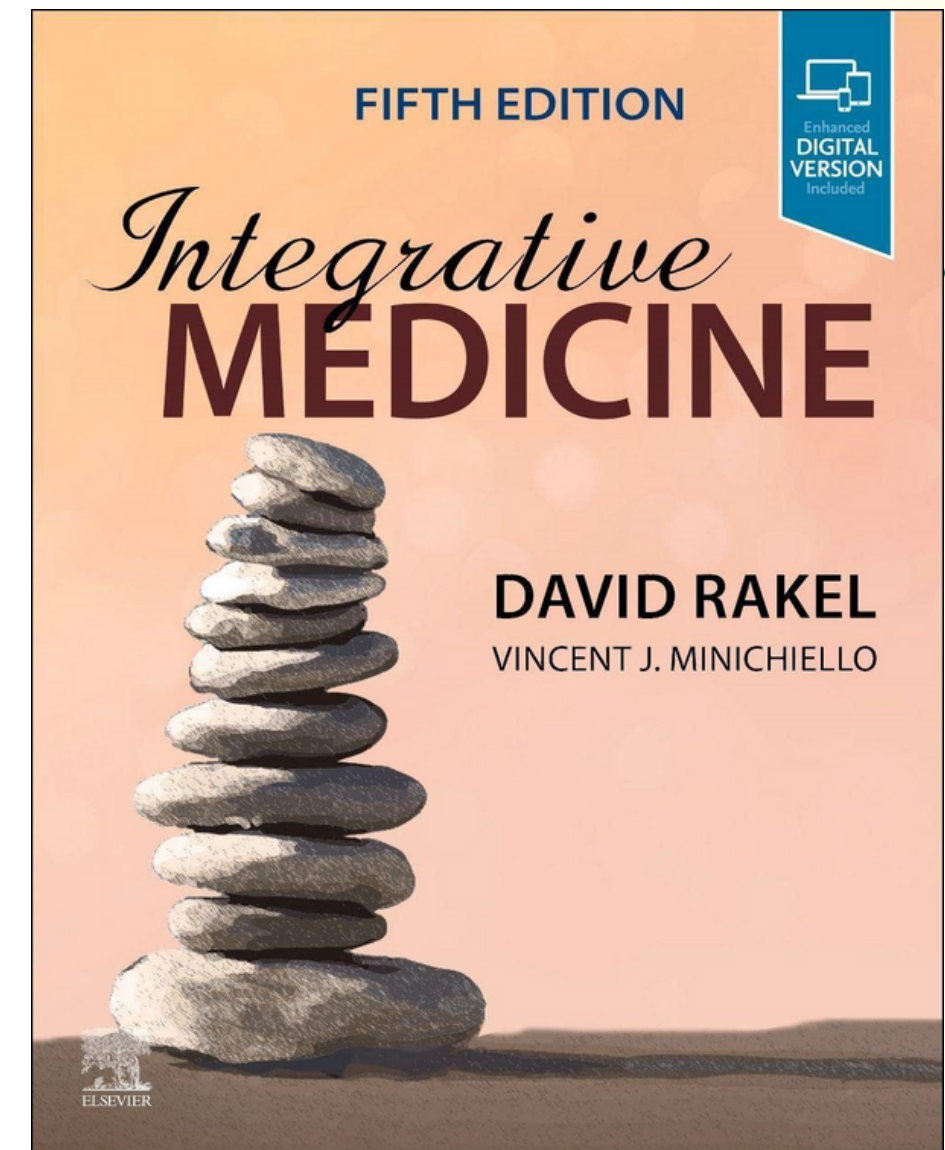
EBOOK ISBN: 9780323777285

## Description

Written by physicians who are experts in both traditional and complementary medicine, *Integrative Medicine, 5th Edition*, uses a clinical, disease-oriented approach to safely and effectively incorporate alternative therapies into primary care practice. Drawing on available scientific evidence and the authors' first-hand experiences, it covers therapies such as botanicals, supplements, mind-body, lifestyle choices, nutrition, exercise, spirituality, and other integrative medicine modalities. This highly regarded reference offers practical guidance for reducing costs and improving patient care while focusing on prevention and wellness for a better quality of life.

- Explains how to make the best use of integrative medicine and the mechanisms by which these therapeutic modalities work, keeping you at the forefront of the trend toward integrative health care.
- Templated chapters make it quick and easy to find key information such as dosing, pearls, the Prevention Prescription, and Therapeutic Reviews that incorporates the Evidence vs Harm Icon.
- Uses the reliable SORT method (Strength of Recommendation Taxonomy) to provide evidence-based ratings, grading both the evidence and the relative potential harm.
- Thoroughly updated, ensuring that you remain well informed regarding the latest evidence.
- Contains 10 new chapters covering clinician resilience, supporting immunity, NASH/fatty liver, hair loss, rethinking the movement prescription, compassion practices, prescribing low-dose naltrexone, psychedelics, tapering off PPIs and opioids, as well as an expanded osteopathy chapter.
- Covers timely topics aimed at reducing the epidemics of polypharmacy and opioid overuse, as well as supporting immunity in the face of infectious diseases.

## 新書推介 NEW BOOK



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# 新書推介

## NEW BOOK

### How Synthetic Drugs Work : Insights into Molecular Pharmacology of Classic and New Pharmaceuticals

Imran Kazmi, Sanmoy Karmakar, Adil Shaharyar, Muhammad Afzal and Fahad A. Al-Abbasi

Elsevier Science & Technology (2022)

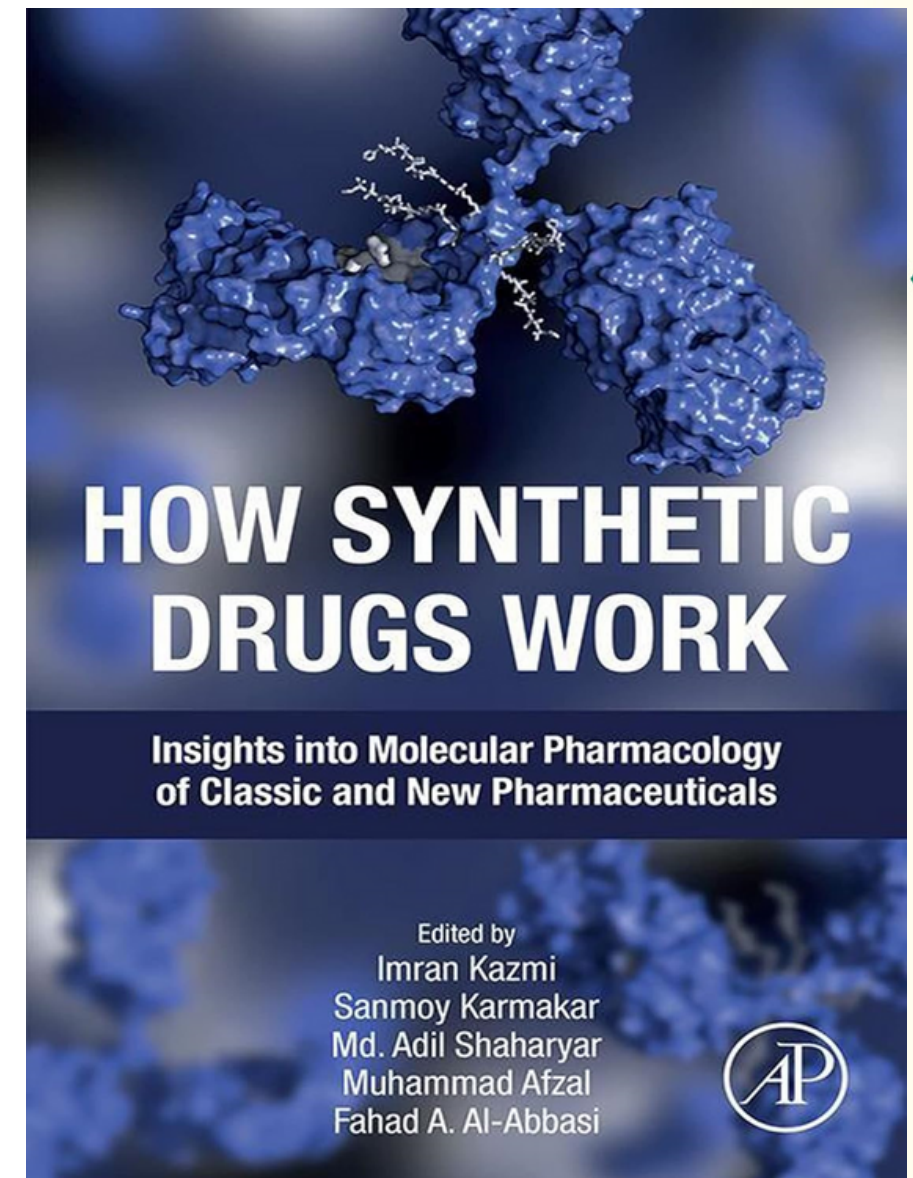
EBOOK ISBN: 9780323913683

### Description

How Synthetic Drugs Work: Insights into Molecular Pharmacology of Classic and New Pharmaceuticals provides comprehensive, structured access to robust information on molecular pharmacology for clinicians, research scientists and advanced health care students. The book covers the foundations of molecular pharmacology and the main drug classes, including detailed information on their mechanisms of action and the application of molecular pharmacology in drug development.

This book is an ideal reference for graduate students and researchers in pharmacology, however, researchers in corporate settings will also benefit from the book's structured and detailed coverage of mechanisms of action of synthetic drugs.

- Presents the mechanism of action of most recent synthetic drugs available
- Includes newly reported action mechanisms of conventional drugs
- Contains colored illustrations of the pathway through which the drug exerts therapeutic action



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# Autophagy Dysfunction in Alzheimer's Disease and Dementia

**Tadanori Hamano and Tatsuro Mutoh**

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323899147

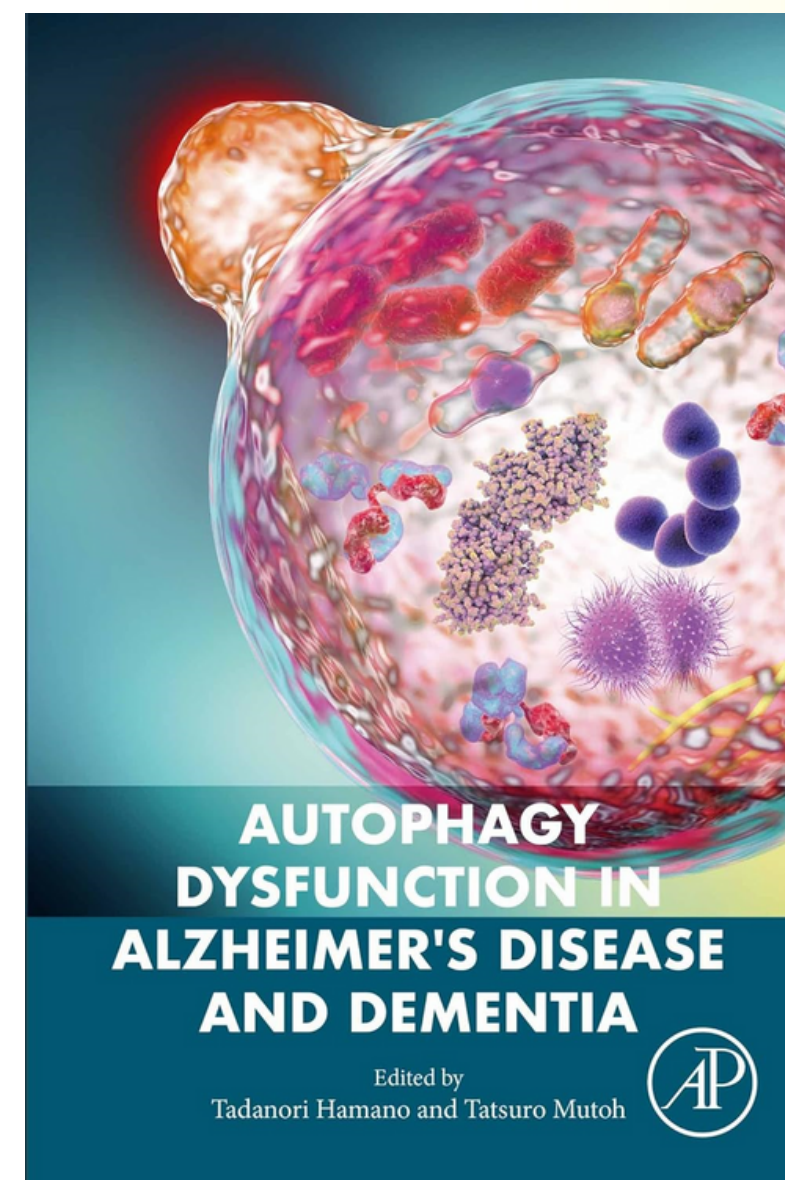
## Description

Autophagy Dysfunction in Alzheimer's Disease and Dementia provides an overview for researchers and clinicians on the mechanisms involved in protein degradation in Alzheimer's. The book discusses the implication of autophagy dysfunction in these diseases and how it causes degenerated proteins, including aggregated tau and aggregated amyloid protein. Other sections explores the possibilities of potential drug development through autophagy modulation, making this a great resource on the study of how autophagy dysfunction has been linked to the accumulation of misfolded proteins that cause death of neurons in Alzheimer's and other neurodegenerative diseases.

- Discusses the implication of autophagy dysfunction in neurodegenerative diseases
- Highlights the mechanisms involved in protein degradation
- Explores the possibilities of drug development through autophagy modulation

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訊息

