

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

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新書推介
New Book

中醫藥圖書館新到館電子圖書 (英文)

第13期
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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。

本期是通訊的第十三期，主要推介十五種新到館的英文電子圖書，內容涵蓋藥用植物研究、藥物發現和臨床疾病研究等。具體內容包括藥理學在藥物發現中的應用進展，藥用植物作為抗感染劑的最新研究，基於草藥生物活性的藥物輸送系統研究，藥用植物在植物化學和藥理活性方面的進展介紹，紫杉醇抗癌作用的最新研究，天然藥物製劑抗乳腺癌的機制以及結構研究，還有草藥在治療多種人類疾病的最新介紹；在臨床研究方面，包括阿爾茨海默病最新研究和治療進展，癌症在生物學領域的全面介紹和研究前景，癌症代謝中自噬的最新進展，癌症管理中先進藥物輸送系統的全面介紹，薑黃和薑黃素用於神經退行性疾病的研究，還介紹了傳染病疫苗的歷史並展開討論，以及轉化醫學的原理等內容。

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！

本期推薦書目

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02	Autophagy and Metabolism	Dhruv Kumar, Shailendra Asthana	Elsevier (2022)
03	Medicinal Plants As Anti-Infectives	Francois Chassagne	Elsevier (2022)
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06	Understanding Cancer : From Basics to Therapeutics	Buddhi Prakash Jain, Shweta Pandey	Elsevier (2022)
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10	Principles of Translational Science in Medicine	Martin Wehling	Elsevier (2021)
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12	Advanced Drug Delivery Systems in the Management of Cancer	Kamal Dua, Meenu Mehta, Terezinha de Jesus Andreoli Pinto, Lisa G. Pont, Kylie A. Williams, ...	Elsevier (2021)
13	The Constituents of Medicinal Plants	Andrew Pengelly	Elsevier (2021)
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15	Turmeric and Curcumin for Neurodegenerative Diseases	Magisetty Obulesu	Elsevier (2021)

A Pharmacology Primer: Techniques for More Effective and Strategic Drug Discovery

Terry P. Kenakin

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323992909

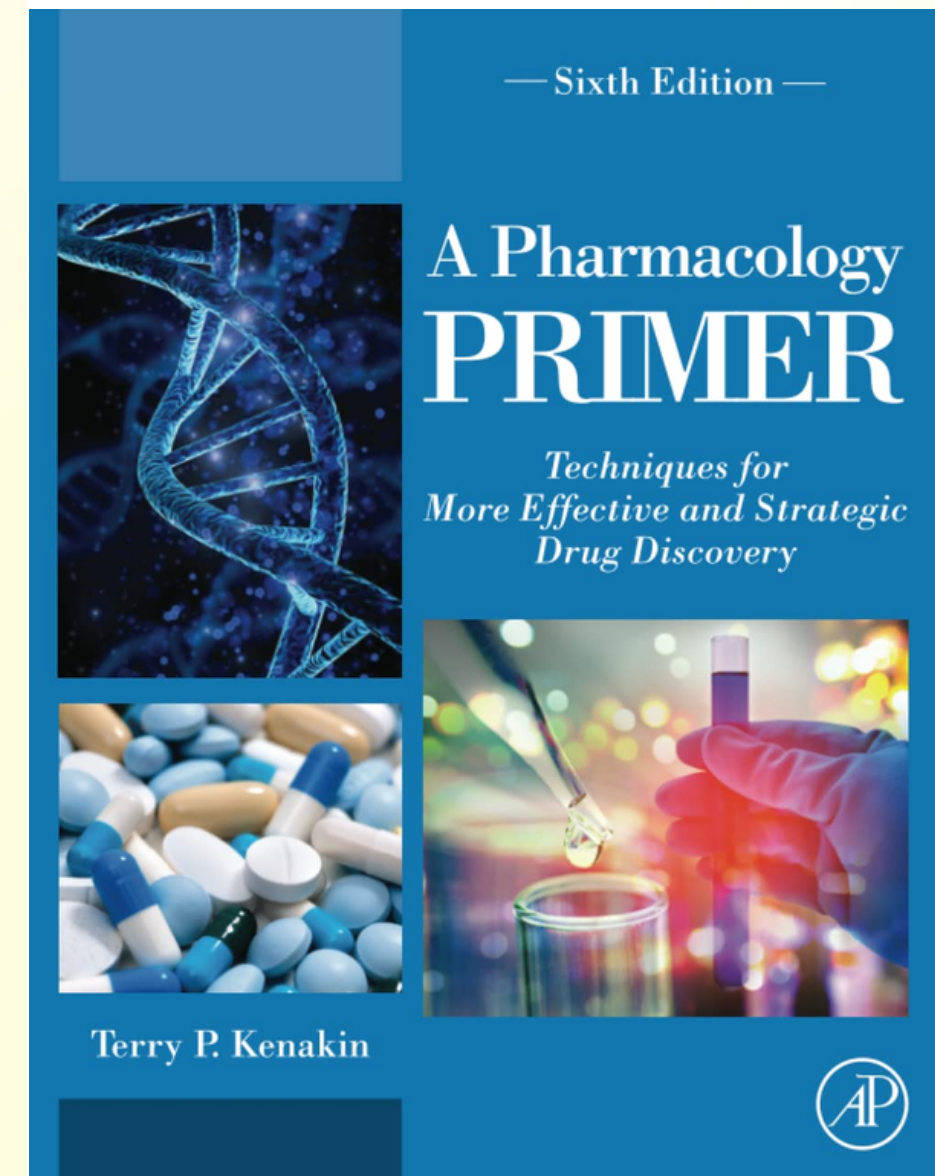
Description

A Pharmacology Primer: Techniques for More Effective and Strategic Drug Discovery, Sixth Edition features the latest research surrounding the application of pharmacology in drug discovery in an effort to equip readers with a deeper understanding of complex and rapid changes in this field. Written by well-respected pharmacologist, Terry P. Kenakin, this primer is an indispensable resource for anyone involved in drug discovery. This edition has been reorganized for better flow and clarity and includes material on new technologies for screening (virtual, DNA encoded libraries, fragment-based) and a major section on phenotypic (target agnostic) screening for new leads and determination of drug targets.

With full color illustrations as well as new examples throughout, this book remains a top reference for all industry and academic scientists and students directly involved in drug discovery or pharmacologic research. New material includes a discussion of the determination of target engagement, including numerous new ways to demonstrate the physical interaction of molecules with drug targets and new drug candidates such as mRNA, gene therapy, antibodies and information on CRISPR and genomics.

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Autophagy and Metabolism: Potential Target for Cancer Therapy

Dhruv Kumar, Shailendra Asthana

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323999458

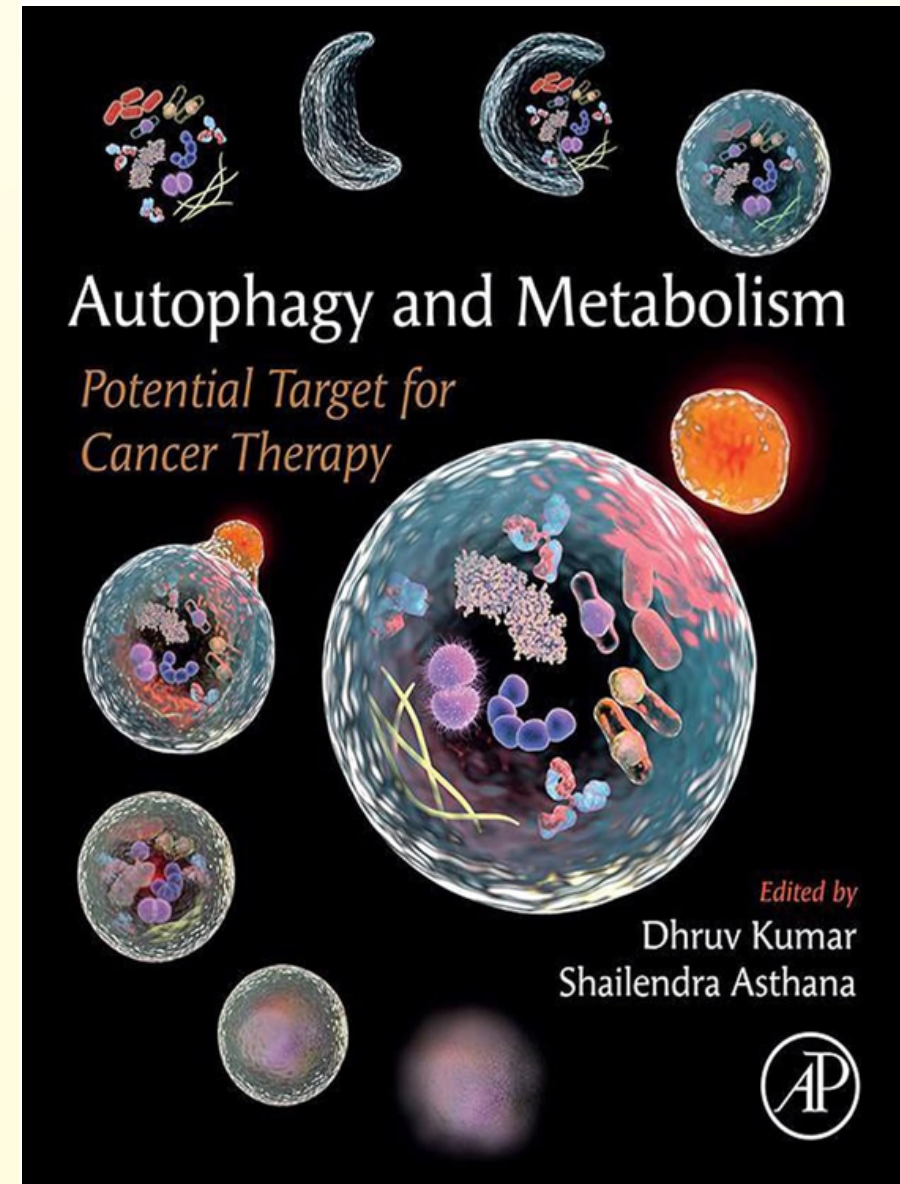
Description

Autophagy and Metabolism: Potential Target for Cancer Therapy presents updates on autophagy in cancer metabolism and how it can be used to develop new, more efficient treatments. Written by experts in the field, the book presents recent research and explains how to translate it to the clinical setting. Sections discuss tumor cell metabolism and autophagy as therapeutic targets, autophagy regulation in cancer, signaling pathways in metabolic dysregulation in solid tumors, metabolic stress and cell death pathways, and the role of the tumor microenvironment. In addition, topics cover combined targeting autophagy, metabolism for cancer therapy, and the autophagy effect on immune cell metabolism.

This will be a valuable resource for researchers, oncologists, graduate students, and members of the biomedical field who are interested in learning more about the interaction between autophagy and cancer metabolism.

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Medicinal Plants as Anti-infectives: Current Knowledge and New Perspectives

Francois Chassagne

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323910002

Description

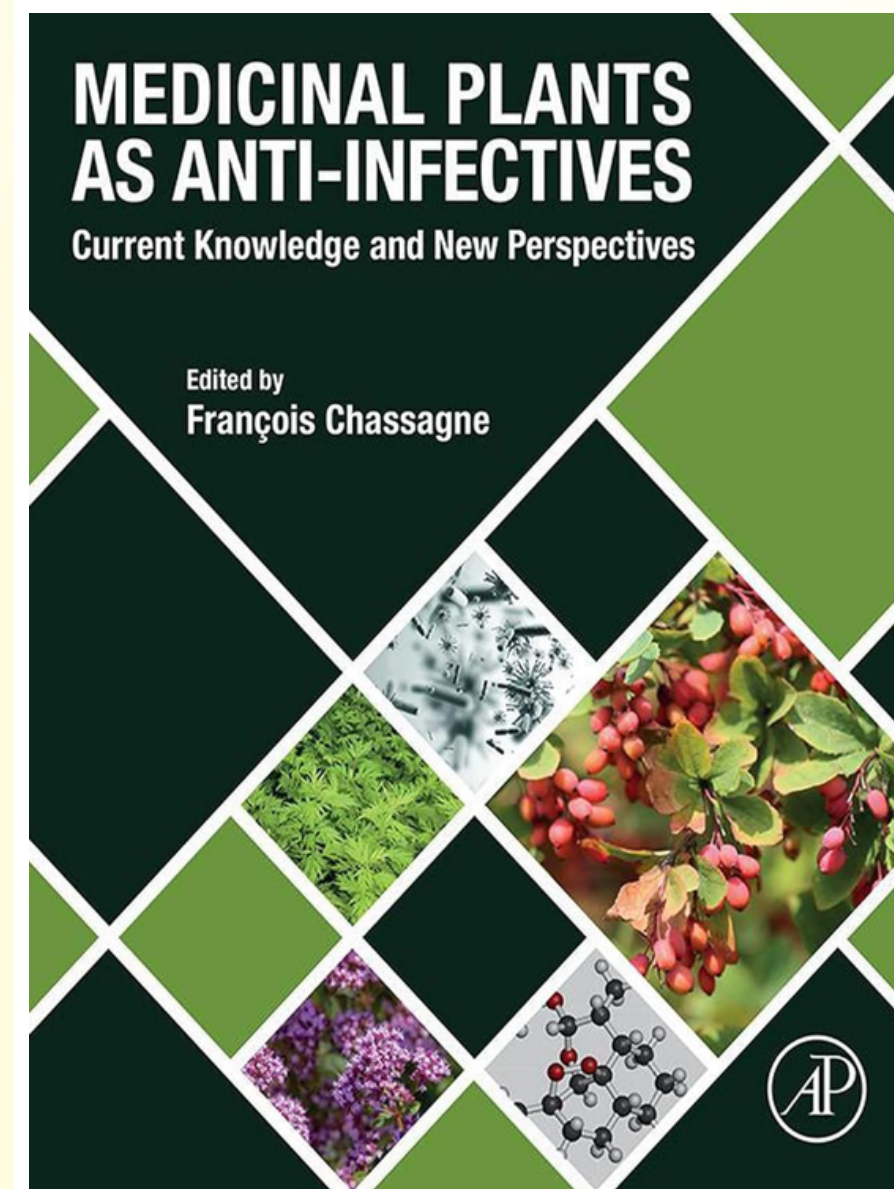
Medicinal Plants as Anti-infectives: Current Knowledge and New Perspectives provides comprehensive and updated data on medicinal plants and plant-derived compounds used as antimicrobials in a range of locations (such as the Balkans, Colombia, India, Lebanon, Mali, Pakistan, Southeast Asia, South Africa, and West Africa). It also provides an overview on the most recent innovations and regulations in the field of drug discovery from ethnobotanical sources.

This book will help readers to better appreciate the role of plants and phytomedicines as anti-infectives, to better assess the health benefits of plant-derived products, to help implement new methodologies for studying medicinal plants, and to guide future researchers in the field.

Medicinal Plants as Anti-infectives: Current Knowledge and New Perspectives is a valuable resource for students, academic scientists, and researchers from the fields of ethnobotany, pharmacy, medicinal chemistry, and microbiology, as well as for professionals working in national or international health agencies, or in pharmaceutical industries.

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Herbal Medicines: A Boon for Healthy Human Life

Hifzur Siddique, Maryam Sarwat

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323906999

Description

Herbal Medicines: A Boon for Healthy Human Life provides a comprehensive overview of the role of herbal medicines for treating a broad variety of human diseases, from neurological disorders to cancer and major disorders such as infectious diseases, metabolic disorders, and more. Each chapter summarizes the current state and future direction of the use of herbal medicines against multiple diseases from a translational point-of-view, making this reference a valuable source of information for a large audience, including researchers and healthcare providers interested in the field of herbal remedies.

- Discusses essential evidence-based information about herbal medicines
- Provides an update to new discoveries and recent advances on the use of herbal medicines to treat multiple human diseases
- Includes information on clinical studies and covers all major medicinal compounds, including alkaloids, glycosides, polyphenols and terpenes

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NEW BOOK



Herbal Medicines

A Boon for Healthy Human Life

EDITED BY
HIFZUR SIDDIQUE
MARYAM SARWAT



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Herbal Bioactive-Based Drug Delivery Systems : Challenges and Opportunities

Inderbir Singh Bakshi, Rajni Bala, Reecha Madaan, Rakesh K. Sindhu

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323859103

Description

Herbal Bioactive-Based Drug Delivery Systems: Challenges and Opportunities provides a wide-ranging, in-depth resource for herbal bioactives, including detailed discussion of standardization and regulations. The book first explores specific drug delivery systems such as gastrointestinal, ocular, pulmonary, transdermal, and vaginal and rectal. It then discusses novel applications for nano, cosmetics, nutraceuticals, wound healing and cancer treatment. Finally, there is a section focusing on standardization and regulation which includes an enhancement of properties. This book is an essential resource for pharmacologists, pharmaceutical scientists, material scientists, botanists, and all those interested in natural products and drug delivery systems developments.

- Explores standardization, regulation and enhancement issues in herbal bioactives
- Discusses novel developments, herbal cosmetics and toxicity/interaction issues
- Provides a comprehensive reference on all aspects of herbal bioactives

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Herbal Bioactive-Based Drug Delivery Systems

Challenges and Opportunities

Edited by
Inderbir Singh Bakshi
Rajni Bala
Reecha Madaan
Rakesh K. Sindhu



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Understanding Cancer : From Basics to Therapeutics

Buddhi Prakash Jain, Shweta Pandey

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780323983969

Description

Understanding Cancer: From Basics to Therapeutics presents both basic concepts and research prospects in the field of cancer biology. This book summarizes the fundamental aspects of cancer and presents a detailed description of molecular aspects as well as treatment and therapeutics for patients.

The book is divided into three parts: the first part deals with the basics of cancer, including etiology and medical diagnosis; the second part explores the molecular mechanisms associated with cancer, focusing on cell cycle and apoptosis, cell metabolism, gene regulation, epigenetics, and stem cells; and the third part is dedicated to therapeutics, discussing chemo and radiotherapies, gene, hormone, herbal, and immunotherapies.

It is a valuable resource for cancer researchers, oncologists, graduate students, and biomedical researchers who need to understand the fundamental topics related to cancer to apply to their research work or clinical setting.

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UNDERSTANDING CANCER

FROM BASICS TO THERAPEUTICS

EDITORS
BUDDHI PRAKASH JAIN • SHWETA PANDEY



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A New History of Vaccines for Infectious Diseases : Immunization - Chance and Necessity

Anthony R. Rees

Elsevier Science & Technology (2022)

EBOOK ISBN: 9780128127551

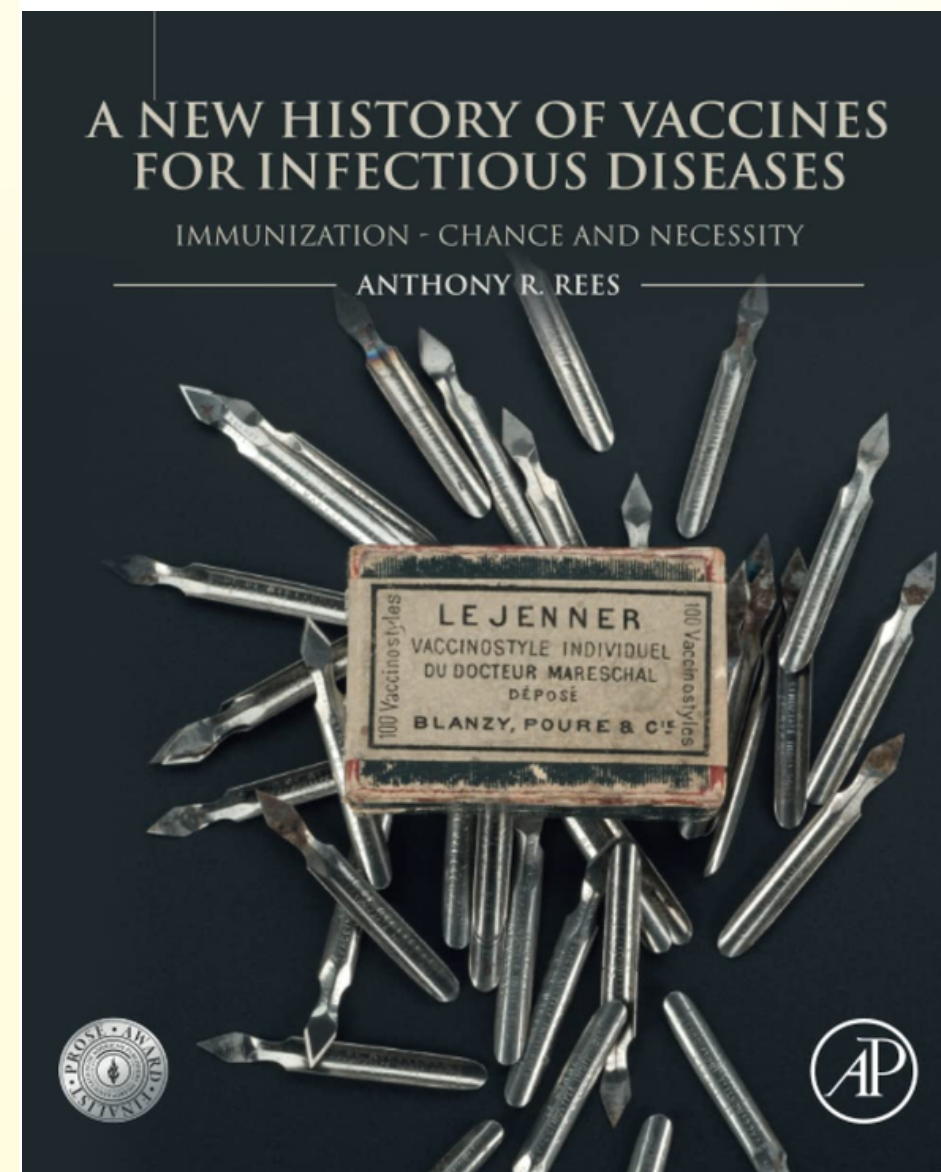
Description

A New History of Vaccines for Infectious Diseases: Immunization - Chance and Necessity covers the developments of vaccines and how they have obliterated many fatal diseases and infections over time. The book treads a neutral path but does not avoid discussion. As uncertainty in the outcome of vaccination can only be determined by experiment, the path to vaccine development has been scientifically complex because the immune system and the manner in which humans respond to infection is variable and complex. Finally, the book describes the risks and benefits of vaccines in a visibly objective manner.

- 2023 PROSE Awards - Winner: Finalist: History of Science, Medicine, and Technology: Association of American Publishers
- Gives an objective description of the science behind vaccine discovery
- Presents awareness and discussions on controversies, both past and present
- Provides historical context to the scientific aspects of immunization, including what worked, what didn't, and why
- Written by a scientist with no 'vested interest' in vaccine development
- Clears up many misunderstandings for today's vaccination policies

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Paclitaxel : Sources, Chemistry, Anticancer Actions, and Current Biotechnology

Mallappa Kumara Swamy, Thammineni Pullaiah, Zhe-Sheng Chen

Elsevier Science & Technology (2021)

EBOOK ISBN: 9780323909525

Description

Paclitaxel: Sources, Chemistry, Anticancer Actions, and Current Biotechnology provides a comprehensive survey of Paclitaxel and its derivatives chemistry, biosynthesis and anticancer activities. In addition, biotechnological methods, including cell cultures, the use of bioreactors and metabolic engineering strategies to improve Paclitaxel production are also discussed. The book discusses topics such as mechanisms of action against cancer, novel forms of Paclitaxel for an effective cancer treatment, strategies for enhancing its bioavailability, and the application of nanocarriers for its delivery and chemotherapy of cancer.

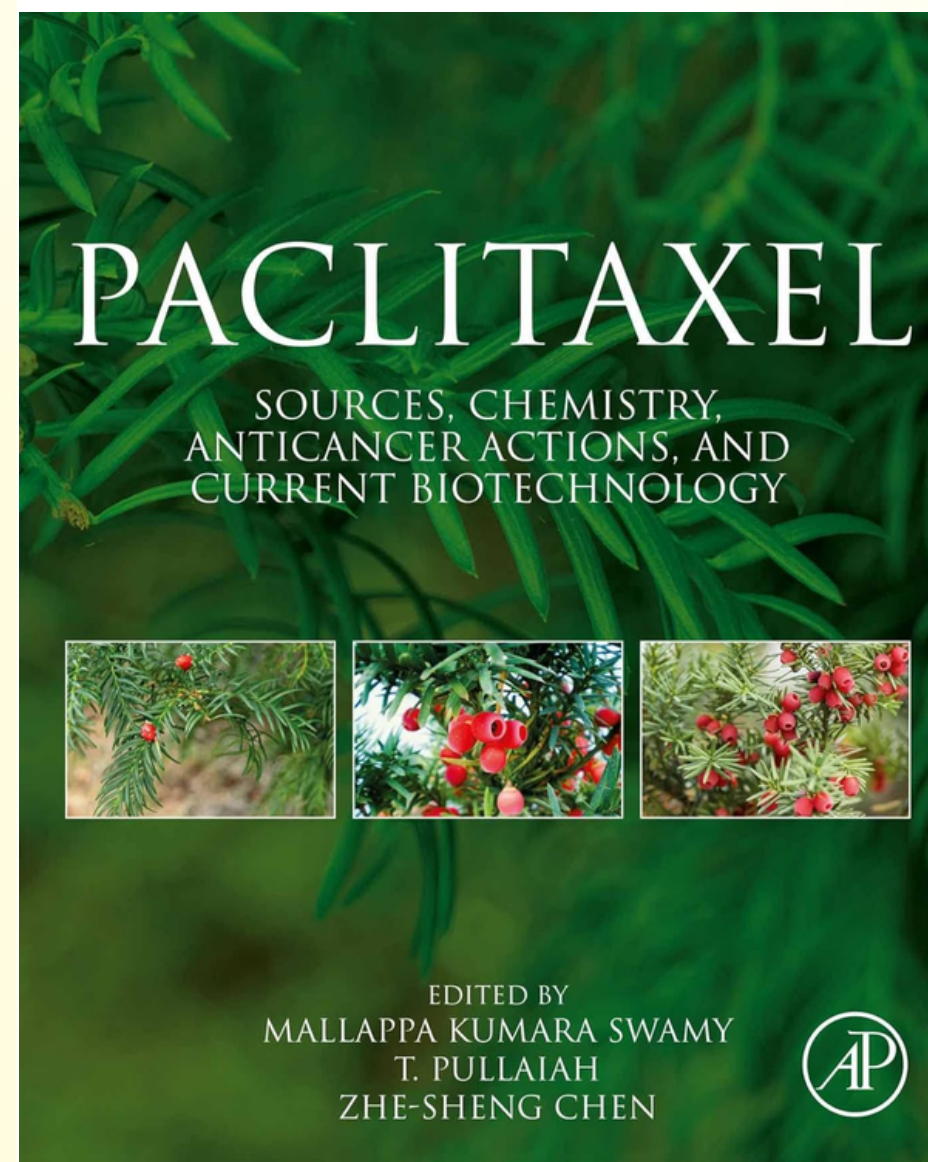
This is a valuable resource for cancer researchers, biotechnologists and members of biomedical field who are interested in the promising anticancer qualities of this antineoplastic drug and how to enhance them for better treatments.

- Presents detailed information about Paclitaxel research, from its discovery to clinical uses and biotechnological routes of commercial production
- Focuses on Paclitaxel development as an effective chemotherapeutic drug, along with its application in different types of cancers

*部份內容來源於出版社網站及其他相關網站

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Alzheimer's Disease : Understanding Biomarkers, Big Data, and Therapy

Ahmed Moustafa

Elsevier Science & Technology (2021)

EBOOK ISBN: 9780128213353

Description

Nearly 44 million people have Alzheimer's or related dementia worldwide, according to the Alzheimer's Disease International organization. That number is expected to double every 20 years. Unlike other books on the market, Alzheimer's Disease: Understanding Biomarkers, Big Data, and Therapy covers recent advancements in cognitive, clinical, neural, and therapeutic aspects of Alzheimer's and other forms of dementia.

First, readers are introduced to cognitive and clinical studies, focusing on the different types of memory impairment, past and future thinking. This includes the prevalence of depression, its relationship to other symptoms, and the quality of life for those with Alzheimer's disease. In addition, the book discusses recent studies on memory dysfunction in advanced-stage Alzheimer's disease, in comparison to early-stage, including a chapter on the underlying factors in the transition from mild cognitive impairment to Alzheimer's diagnosis. Following this section, the book presents recent studies on the role of different cortical and subcortical structures in the development of various symptoms in Alzheimer's disease, as well as different neural biomarkers underlying the development and treatment of the disease. In the last section of the book, therapeutic aspects of Alzheimer's disease, focusing on behavioral and pharmacological treatments of sleep disorders, memory problems, and depression, are reviewed.

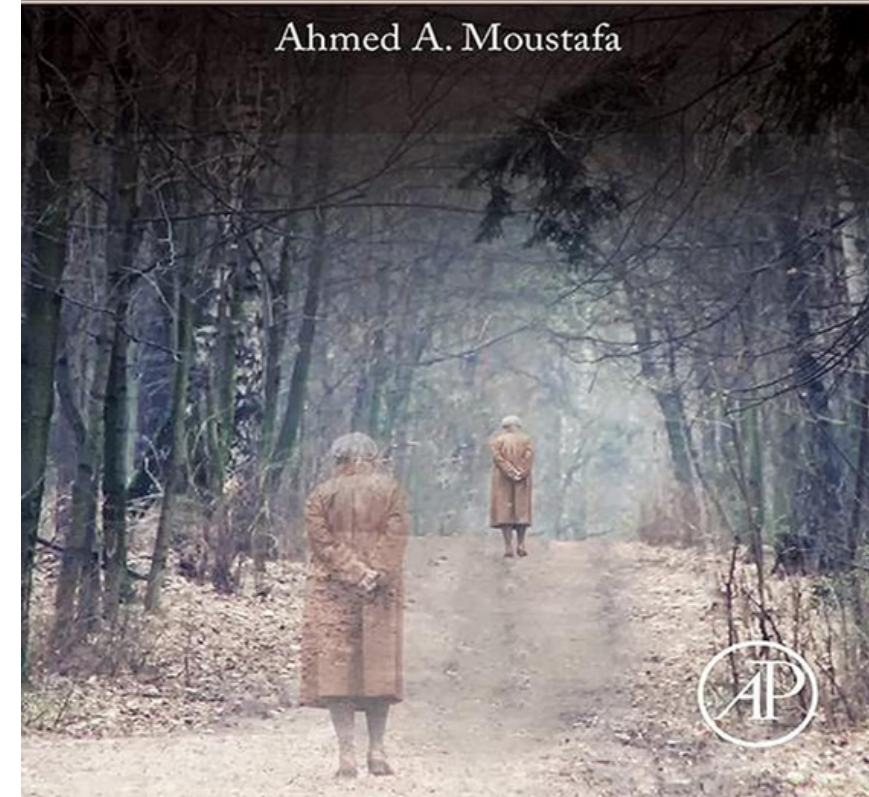
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ALZHEIMER'S DISEASE

Understanding Biomarkers,
Big Data, and Therapy

Ahmed A. Moustafa



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Principles of Translational Science in Medicine : From Bench to Bedside

Martin Wehling

Elsevier Science & Technology (2021)

EBOOK ISBN: 9780323999625

Description

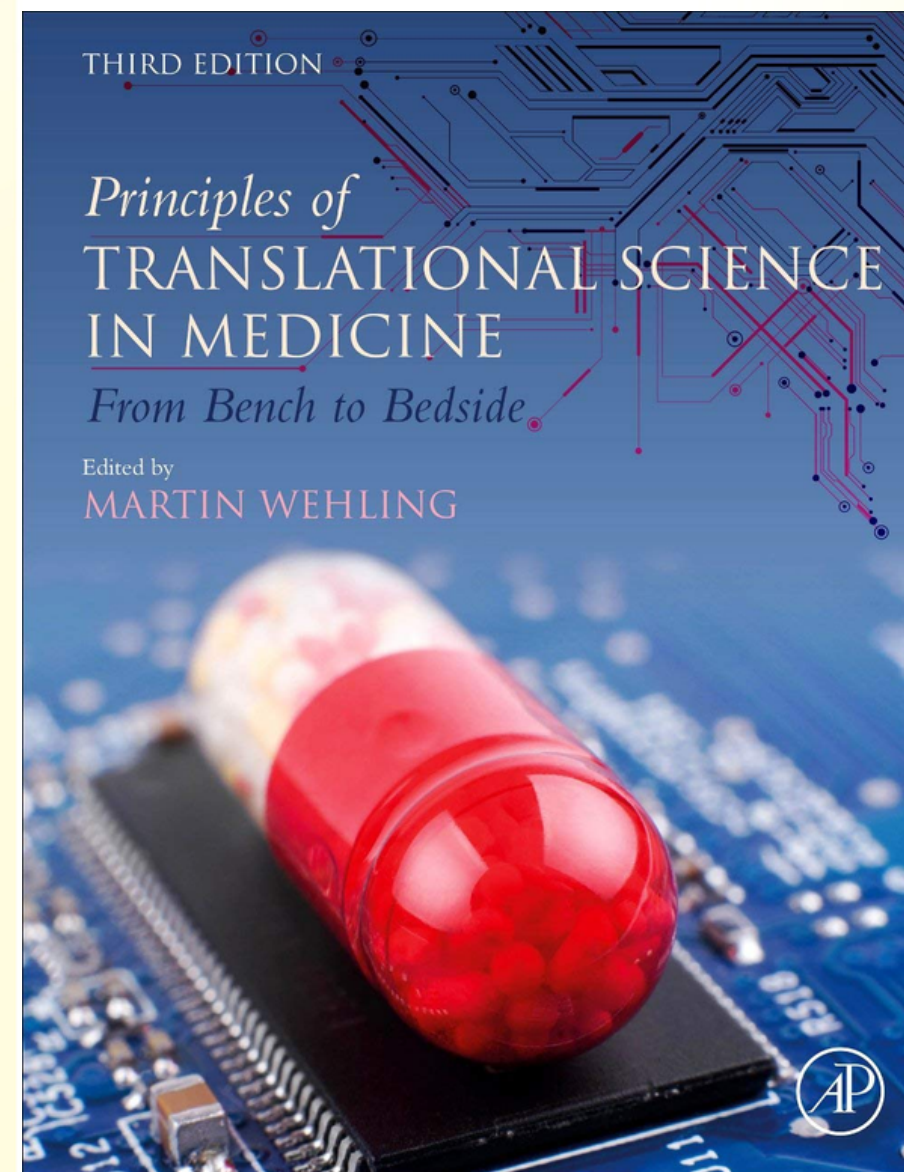
Principles of Translational Science in Medicine: From Bench to Bedside, Third Edition, provides an update on major achievements in the translation of research into medically relevant results and therapeutics. The book presents a thorough discussion of biomarkers, early human trials, and networking models, and includes institutional and industrial support systems. It also covers algorithms that have influenced all major areas of biomedical research in recent years, resulting in an increasing number of new chemical/biological entities (NCEs or NBEs) as shown in FDA statistics.

New chapters include: Translation in Oncology, Biologicals, and Orphan Drugs. The book is ideal for use as a guide for biomedical scientists to establish a systematic approach to translational medicine and is written by worldwide experts in their respective fields.

- Includes state-of-the-art principles, tools such as biomarkers and early clinical trials, algorithms of translational science in medicine
- Provides in-depth description of special translational aspects in the currently most successful areas of clinical translation, namely oncology and immunology
- Covers status of institutionalization of translational medicine, networking structures and outcomes at the level of marketing authorization

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Discovery and Development of Anti-Breast Cancer Agents from Natural Products

Goutam Brahmachari

Elsevier Science & Technology (2021)

EBOOK ISBN: 9780128212783

Description

This book presents cutting-edge research advances in the field of bioactive natural products and natural drug formulations. This volume in the Natural Products Drug Discovery series focuses on molecules of natural origin and their synthetic analogs that show promising potential to act as anti-breast cancer and chemotherapeutic agents. Combining foundational background information on cancer mechanisms with details of medicinal structures from natural products, this volume compiles the latest developments from across interdisciplinary fields.

It will serve as a valuable resource for researchers working to discover promising leads for the development of novel pharmaceuticals for breast cancer, highlighting a number of key structures from natural products and exploring possible future developments in the area.

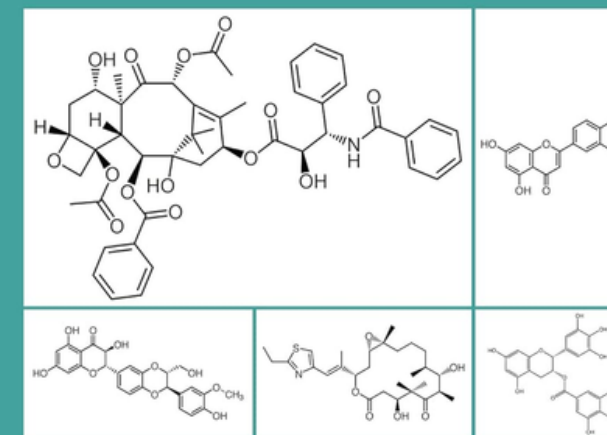
- Highlights active agents from natural sources for development as novel anti-cancer agents
- Features contributions from active researchers and leading experts working in the field
- Includes foundational background information on both breast cancer mechanisms and natural product structures to support researchers from different disciplines

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NATURAL PRODUCT DRUG DISCOVERY

Discovery and Development of
Anti-Breast Cancer Agents from
Natural Products



Edited by Goutam Brahmachari

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Advanced Drug Delivery Systems in the Management of Cancer

Kamal Dua, Meenu Mehta, Terezinha de Jesus Andreoli Pinto, Lisa G. Pont, Kylie A. Williams, Michael Rathbone

Elsevier Science & Technology (2021)

EBOOK ISBN: 9780323900799

Description

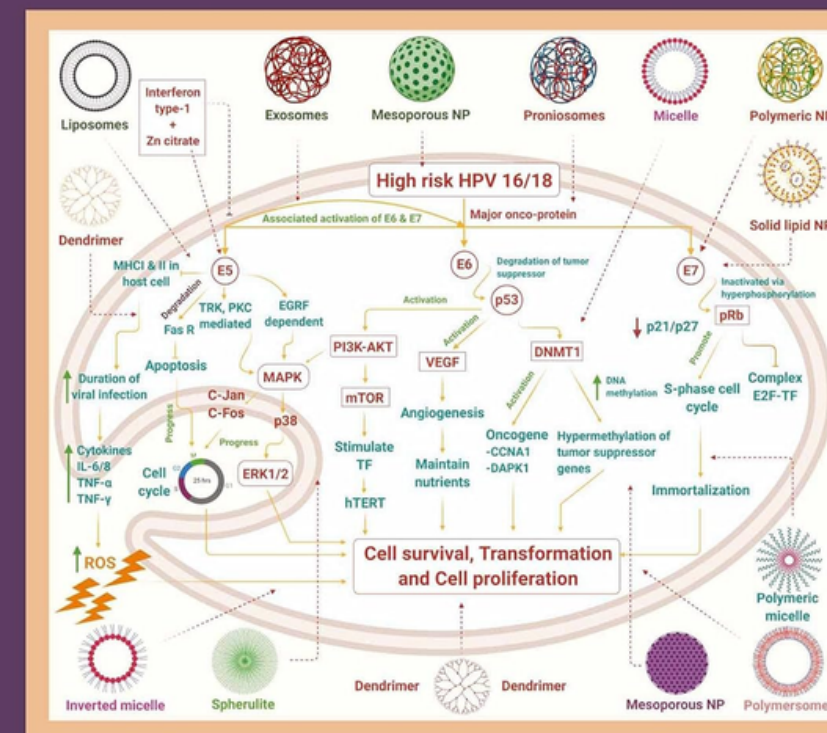
Advanced Drug Delivery Systems in the Management of Cancer discusses recent developments in nanomedicine and nano-based drug delivery systems used in the treatment of cancers affecting the blood, lungs, brain, and kidneys. The research presented in this book includes international collaborations in the area of novel drug delivery for the treatment of cancer. Cancer therapy remains one of the greatest challenges in modern medicine, as successful treatment requires the elimination of malignant cells that are closely related to normal cells within the body.

Advanced drug delivery systems are carriers for a wide range of pharmacotherapies used in many applications, including cancer treatment. The use of such carrier systems in cancer treatment is growing rapidly as they help overcome the limitations associated with conventional drug delivery systems. Some of the conventional limitations that these advanced drug delivery systems help overcome include nonspecific targeting, systemic toxicity, poor oral bioavailability, reduced efficacy, and low therapeutic index.

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Advanced Drug Delivery Systems in the Management of Cancer

Edited by
Kamal Dua, Meenu Mehta, Terezinha de Jesus Andreoli Pinto,
Lisa G. Pont, Kylie A. Williams and Michael J. Rathbone



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The Constituents of Medicinal Plants

Andrew Pengelly

Elsevier Science & Technology (2021)

EBOOK ISBN: 9781789243093

Description

A classic in the literature of herbal medicine, this book explains in simple terms the commonly occurring chemical constituents of medicinal plants, and how these react with the human body. The major classes of plant constituents, such as phenols, terpenes and polysaccharides, are described both in terms of their chemical structures and their pharmacological activities.

The last 20 years has seen huge growth in research output in phytochemistry, and this edition has been thoroughly revised to incorporate up-to-date research. It contains a new chapter on resins and cannabinoids, and additional content on macrocarpals, essential oil chemotypes, mushroom polysaccharides, phytochemical synergy, and toxicology of phytochemicals.

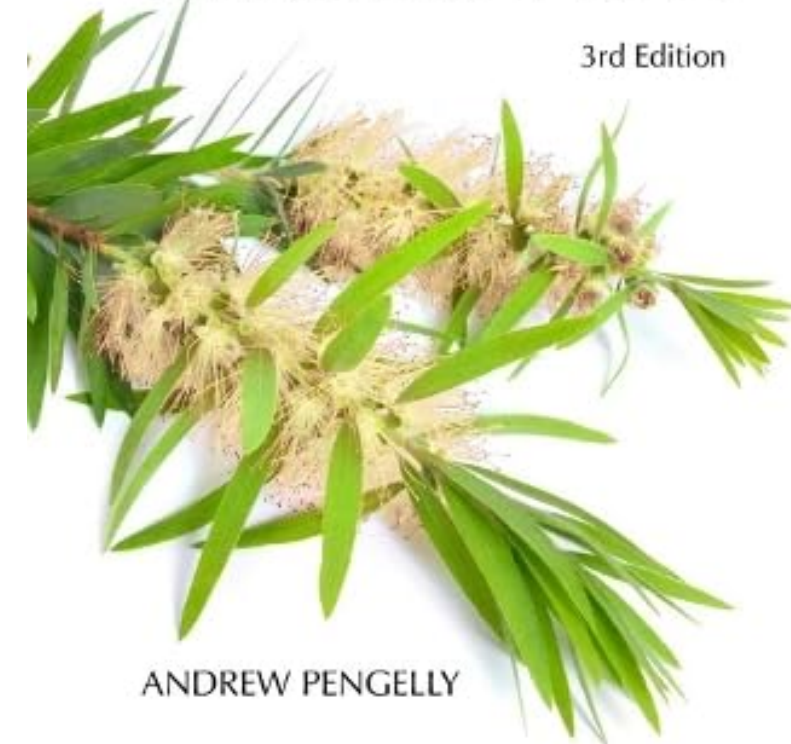
- Over 200 diagrams of chemical structures
- Coverage of energetics, synergism and the emerging field of network pharmacology
- New content on seaweeds and fungi, and polyphenol-rich foods
- References to primary research literature in pharmacy, pharmacology, chemistry, plant biology, molecular biology, integrative medicine and many other disciplines

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The Constituents of Medicinal Plants

3rd Edition



ANDREW PENGELLY



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Phytomedicine : A Treasure of Pharmacologically Active Products from Plants

Rouf Ahmad Bhat, Khalid Rehman Hakeem, Moonisa Aslam Dervash

Elsevier Science & Technology (2021)
EBOOK ISBN: 9780128241103

Description

Phytomedicine: A Treasure of Pharmacologically Active Products from Plants aims to present updated knowledge of plant-based medicines in terms of their research and development, production, and utilization, from the viewpoint of sustainability and by using the latest technologies. The book explores different phytometabolites on a mass scale, coupled with the efficacy, performance and applicability on target organisms to treat curable and fatal diseases.

Readers will find a coherent package of phytotherapeutic information regarding inclusive assortment of research based, scientific amplitude of metabolites from the plant world encompassing various action plans. Information is presented sequentially regarding phytochemistry, biological activity and the serviceable aspects of bioactive compounds. The book also addresses various advancements and achievements of novel drugs from plants using molecular and enzymatic activities, and various technological tools in an ecofriendly fashion.

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Turmeric and Curcumin for Neurodegenerative Diseases

Magisetty Obulesu

Elsevier Science & Technology (2021)

EBOOK ISBN: 9780128224496

Description

Turmeric and Curcumin for Neurodegenerative Diseases examines protective mechanisms of turmeric products and novel nanotechnological therapeutics and biomaterial design strategies to circumvent Alzheimer's Disease, Parkinson's, and liver diseases. With neurodegenerative and liver diseases posing a serious threat to health care systems worldwide, this book addresses how existing nanotechnology and therapeutic strategies have not been as successful in their treatment. In addition to discussing drawbacks, possible future perspectives to overcome these challenges are also examined. Chapters also focus on therapeutic efficacy and drug delivery systems, providing readers with a full summary of research in this field in one handy reference.

- Summarizes the therapeutic efficacy of turmeric and curcumin for neurodegenerative diseases
- Includes effects on Alzheimer's, Parkinson's and liver diseases
- Focuses on different types of drug delivery systems and their challenges
- Examines novel nanotechnological therapeutics and biomaterial design strategies

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Turmeric and Curcumin
for Neurodegenerative Diseases

Magisetty Obulesu



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