

2/3/2020

Apple Academic Press

Nutrition, Dietetics & Health
Pharmaceutical Science & Technology
Physics
Plant Science & Botany
Polymer Science
Psychology, Psychiatry & Mental Health
Security & Disaster Management
Social Work & Social Welfare
Soil & Water Conservation
Urban Planning
Viticulture & Enology
Waste Management
Water Management
Women & Gender Studies
21st Century Business Management
AAP Research Notes on Chemical Engineering
AAP Research Notes on Chemistry
AAP Research Notes on Nanoscience and Nanotechnology
AAP Research Notes on Operations and Supply Chain Management
AAP Research Notes on Optimization and Decision Making Theories
AAP Research Notes on Polymer Engineering Science and Technology
Advances in Hospitality and Tourism
Advances in Materials Science
Advances in Nanoscience and Nanotechnology
Applied Chemistry and Chemical Engineering
Biology and Ecology of Marine Life
Biomedical Engineering: Techniques and Applications Book Series
Current Advances in Biodiversity, Conservation and Environmental Sciences
Frontiers of Mechanical and Industrial Engineering
Innovation Management and Computing
Innovations and Challenges in Micro Irrigation
Innovations in Agricultural and Biological Engineering
Innovations in Biotechnology

- Looks at the development of herbal drug discovery based on biomarkers
- Explores emerging concepts of nanomedicines for herbal drug delivery
- Takes an interdisciplinary approach, with application to disciplines related to medical, pharmaceutical, biotechnological, Ayurvedic, Unani and biomedical engineering fields

This volume will be very useful for pharmaceutical scientists, nanoscientists, nanobiotechnologists, and others associated with this realm and who are engaged in the discipline of healthcare systems.

CONTENTS:
Preface

- 1. Inflammatory Biomarkers: An Important Tool for Herbal Drug Discovery**
Mahfoozur Rahman, Ankit Sahoo, Mohammad Atif, and Sarwar Beg
- 2. Herbal Anti-Arthritic Drug Discovery Tool Based on Inflammatory Biomarkers**
Mahfoozur Rahman, Ankit Sahoo, and Sarwar Beg
- 3. Curcumin Nanomedicines and Their Application in the Management of Disease**
Sadaf Jamal Gilani, Syed Sarim Imam, Md. Jafer, Sultan Alshehri, Md. Toleuzzaman, and Mohd. Asadullah Jahangeer
- 4. Ursolic Acid: A Pentacyclic Triterpene from Plants in Nanomedicine**
Monalisha Sen Gupta, Md. Adil Shaharyar, Mahfoozur Rahman, Kumar Anand, Imran Kazmi, Muhammad Afzal, and Sanmoy Karmakar
- 5. Phytoconstituent-Centered Byproducts and Nanomedicines as Leishmanicidal Scavengers**
Sabya Sachi Das, P. R. P. Verma, and Sandeep Kumar Singh
- 6. Delivery of Herbal Cardiovascular Drugs in the Scenario of Nanotechnology: An Insight**
Kumar Anand, Subhabrata Ray, Md. Adil Shaharyar, Mahfoozur Rahman, Rudranil Bhowmik, and Sanmoy Karmakar
- 7. Nigella sativa Encapsulated Nano-Scaffold and Their Bioactivity Significance**
Mohammed Asadullah Jahangir, Abdul Muheem, Syed Sarim Imam, Farhan Jalees Ahmed, and Mohd. Aqil
- 8. Phytoconstituent-Loaded Nanomedicines for Arthritis Management**
Syed Salman Ali, Chandra Kala, Najam Ali Khan, Mohd. Abid, Alankar Shrivastva, Syed Sarim Imam, and Snigdha Bhardwaj
- 9. Phytoconstituent-Based Nanotherapeutics as Ocular Delivery Systems**
Mohammed Jafar, Syed Sarim Imam, and Syed Azizullah Ghori
- 10. Rosmarinic Acid: A Boon in the Management of Cardiovascular Disease**
Md. Adil Shaharyar, Mahfoozur Rahman, Kumar Anand, Chowdhury Mobaswar Hossain, Imran Kazmi, and Sanmoy Karmakar
- 11. Long-Term Toxicity and Regulations for Bioactive-Loaded Nanomedicines**
Iqbal Ahmad, Sobiya Zafar, Shakeeb Ahmad, Suma Saad, S.M. Kawish, Sanjay Agarwal, and Farhan Jalees Ahmad
- 12. Resveratrol-Loaded Phytomedicines for Management of Cancer**
Shakir Saleem, Ruqaiyah Khan, and Sandeep Arora
- 13. Thymoquinone-Loaded Nanocarriers for Healthcare Applications**
Ruqaiyah Khan, Himani Nautiyal, and Shakir Saleem

Index

ABOUT THE AUTHORS / EDITORS:
Editors: Mahfoozur Rahman, PhD
Assistant Professor, Department of Pharmaceutical Sciences, Faculty of Health Science, Sam Higginbottom University of Agriculture, Technology & Sciences (SHUATS), Allahabad, India

Mahfoozur Rahman, PhD, is an Assistant Professor in the Department of Pharmaceutical Sciences, Faculty of Health Science, Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS), Allahabad, India. His major areas of research interest include development and characterization of nanosized drug delivery systems for inflammatory disorders, including psoriasis, arthritis, neurodegenerative disorders, cancer, etc. In addition, he is also working on amalgamation of herbal medicinal plants with modern therapeutics in order to deliver scientifically acceptable therapies for various diseases management. To date he has published over 100 publications in peer-reviewed journals, such as *Seminar in Cancer Biology, Drug Discovery Today, Nanomedicine*, etc. He has also published 20 book chapters, five international books, and three articles in international journals. Overall, he has earned highly impressive publishing and citation record in Google Scholar (H-index of

positive, and the outcome of the book is one that is attracting lots of interests and recommendations from eminent scientists and research scholars worldwide. Our students, who are privileged to be the first users of the book, are very happy with the simplicity of the chapters. I also wish to express my happiness about the robust distribution channel of AAP and, more especially, the print quality of our book. I look forward to working with AAP again.—
Chukwuebuka Egbuna (MNSBMB, MICCON, AMRSC), Department of Biochemistry, Chukwuemeka Odumegwu Ojukwu University, Uli-Campus, Anambra State, Nigeria

"I would like to thank Dr. Mahmood Khan and AAP warmly for offering me the opportunity to publish my book Sustainable Viticulture: The Vines and Wines of Burgundy. I found a lot of pleasure in reflecting on my experience and observations as a viticulturist in Burgundy and other regions of the world. I enjoyed putting in writing thoughts, memories, and ideas I've had for years. I also found pleasure in synthesizing discussions I've had with wine professionals and wine buffs as well as reading notes I regularly jotted down. I can also add that I very much appreciated the friendly and firm support and guidance of the staff of Apple Academic Press."—
Claude Chapuis, Associate Professor, School of Wine & Spirits Business, Dijon, France

"I was recently thrilled to flip the pages of my new book, Polymeric Thermosetting Polymers. This book shares a lifetime of lessons from my pioneering efforts in compound custom formulating. That is why I am so very grateful to AAP for making it possible to get this unique book into worldwide circulation. The expert team at AAP made the experience of writing, organizing, and polishing the book quite enjoyable."—Ralph D. Hermansen, Formerly Senior Scientist, Hughes Aircraft Company, El Segundo, California

"Glad to see the final outcome of the book. It was truly wonderful & smooth experience to work with AAP. Definitely, looking forward to more exciting and fruitful association in future."—
Arvind K. Birdie, PhD, Associate Professor and Acting Principal, IIMT School of Management (Oxford Brooks University), Gurgaon, India; Author of Organizational

Sanjeev Dora

Registrar
IFTM University

JOIN OUR MAILING LIST
NEWS & EVENTS
CATALOG & TITLE LISTS
LOG IN

Publishing quality books in STEM and other fields

Custom Search

Home | About Us | Conference Schedule | AAP Research Notes | Ordering Info | Publish With Us | Contact Us



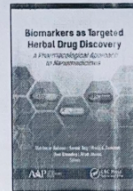
Agriculture & Allied Sciences
Allied Health
Animal Studies & Veterinary Sciences
Anthropology
Archaeology
Bioinformatics
Biology
Biomedical Engineering/Nanotechnology
Biotechnology
Business Management
Chemical Engineering
Chemistry
Chemoinformatics
Computer Science & Information Management
Economics & Finance
Education
Electronics and Communications Technology
Energy Science
Engineering
Environmental Health
Environmental Science/Climate Change & Mitigation
Fisheries Science & Marine Biology
Food Chemistry & Science
Hospitality & Tourism
Library & Information Science
Materials Science
Mathematics
Mechanical Engineering
Media & Communications
Medicine & Health Sciences
Nanomedicine
Nanotechnology

Nanomedicine

Biomarkers as Targeted Herbal Drug Discovery A Pharmacological Approach to Nanomedicines

Editors: Mahfooz Rahman, PhD
Sarwar Beg, PhD
Mazin A. Zamzami, PhD
Hani Choudhry, PhD
Aftab Ahmad, PhD
Khalid S. Alharbi, PhD

[Ordering Info/Buy Book](#)



In Production
Pub Date: July 2020
Hardback Price: \$179.95 USD | £139.00
Hard ISBN: 9781771889025
Pages: Est. 379p w/index
Binding Type: Hardback
Notes: 13 color and 17 b/w illustrations

REVIEWS

"A very interesting compilation of the translational components of the science and technology that, in particular, focuses on their herbal drug delivery and targeting on various biomarkers, which are involved in the treatment of various dreadful disorders, including arthritis, cardiovascular, ocular disorders, cancers, etc. . . . An important tool for herbal drug discovery based on biomarkers. . . . [Also] discusses herbal constituents to target the biomarkers involved in various threatening diseases, including parasitic disease, immune-related disorders, cancers, etc., and its management by using bioactive loaded nanomedicines. . . . A wonderful treatise based on expert experience with a clear bearing on application in human health."
—From the Foreword by Most Rev. Prof. Rajendra B. Lal, Vice Chancellor, Sam Higginbottom University of Agriculture, Technology and Science, India

This new volume looks at the applications of biomarkers as important tools for herbal drug discovery, presenting research on phytoconstituents with advanced nanotechnological applications for healthcare benefits.

Herbal drug discovery based on biomarkers is an emerging area in complementary and alternative medicine that has tremendous potential in healthcare. Conventional medications have limited efficacy and high toxicity, whereas herbal drugs are said to provide wide structural diversity that is not usually seen with conventional/synthetic drug molecules. Recognition of various herbal constituents, such as terpenoids, fatty acids, flavonoids and steroids, are well explored in the management and treatment of various disorders in this volume. These agents target various biomarkers such as nitric oxide (NO), cytokines, chemokines, adhesion molecules, NF- κ B, lipoxigenase (LOX), and arachidonic acid.

Biomarkers as Targeted Herbal Drug Discovery: A Pharmacological Approach to Nanomedicines discusses phytoconstituent-based nanotherapeutics with applications for some specific health issues, such as arthritis, leishmanicidal, cardiovascular diseases, cancer, ocular disorders, etc.

With chapters contributed by eminent scientists, researchers, and nanotechnologists from across the globe, this volume highlights the key advancements, challenges, and opportunities in the application of herbal drug discovery based on biomarkers and its delivery by nanomedicines for disease treatment and regulatory guidelines.

Key features

- Reviews the literature on inflammatory biomarkers in the treatment of diseases

Free
standard
shipping
worldwide

Sign Up
for email
alerts

Follow us for the latest from Apple Academic Press:

@ f t in

The AAP Blog
"Best Marine Biology Books of All Time" by BookAuthority . . . Congratulations to Dr. Ramasamy Santhanam for 3 books on this prestigious list:
• Biology and Ecology of Venomous Stingrays
• Biology and Culture of Portunid Crabs of World Seas
• Biology and Ecology of Edible Marine Gastropod Molluscs

Comments from Our Editors and Author

"I'm very pleased with the books you have edited. It shows a very good and careful work by everyone involved along the whole production process, and so the final result is a beautiful piece: it has come out as a very nice and appealing book, easy to handle and read, . . . and hopefully of interest for people from diverse related fields!" — Enrique Macia-Barber, PhD, Professor of Condensed Matter Physics, Universidad Complutense de Madrid, Spain; Author of *The Chemical Evolution of Phosphorus: An Interdisciplinary Approach to Astrobiology*

"As the Principal Editor for the trending 3-volume set book of *Phytochemistry*, I wish to express my sincere gratitude to the management of AAP for their excellent publishing services. Our publishing experience is

Sarwar Beg
Registrar
IFTM University
Moradabad