

marine drugs

IMPACT
FACTOR
5.4

Indexed in:
PubMed

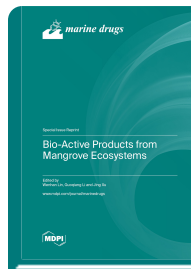
CITESCORE
9.6

Special Issue Reprint

Bio-Active Products from Mangrove Ecosystems

www.mdpi.com/books/reprint/7324

Edited by
Wenhan Lin
Guoqiang Li
Jing Xu



ISBN 978-3-0365-7526-1 (Hardback)

ISBN 978-3-0365-7527-8 (PDF)

Mangrove communities represent a coastal habitat located in the intertidal zone or brackish water of tropical and subtropical coastal areas, between 5°N and 5°S latitudes, spanning over 118 countries. The special ecological conditions of mangroves include high salinity, nutrient limitation, tidal gradients, high temperatures, excessively high light, and muddy anaerobic or sandy soil, which lead to various morphological and physiological adaptations of inhabiting species and act as an effective selector for the metabolic pathway via the generation of unique functional metabolites with highly unique chemical scaffolds and pharmaceutical application potential. In recent decades, numerous metabolites with uncommon structures and efficacious bioactivities have been discovered in mangrove-derived microorganisms, along with mangrove plants. For this reason, mangrove ecosystems have taken the limelight as an attractive biodiversity hotspot, attracting significant attention from organic chemists and pharmacologists. Additionally, many unique and novel chemical structures with a wide range of structural classes have suggested various biosynthetic origins containing novel functional genes and corresponding enzymes with unique catalytic functions. In this Special Issue, we welcome articles describing recent studies and pertinent reviews focusing on the latest and most important developments in bioactive product discovery from mangrove ecosystems and correlating structures with chemical synthesis, biosynthesis, genomic and metabolomics approaches, biological activities, and pharmaceutical mechanisms. We are now in the process of putting together a group of top

quality work we would like to feature in this collection, and we would like you to

Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/7324



MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.