



polymers



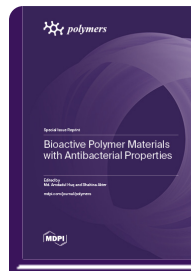
Special Issue Reprint

Bioactive Polymer Materials with Antibacterial Properties

www.mdpi.com/books/reprint/10735

Edited by
Md. Amdadul Huq
Shahina Akter

ISBN 978-3-7258-3694-9 (Hardback)
ISBN 978-3-7258-3693-2 (PDF)



Bioactive materials have a wide range of applications, and bioactive materials with antibacterial properties, in particular, have attracted significant medical interest. The emergence of multidrug-resistant (MDR) bacteria due to the uncontrolled, immoderate, and multiple use of antibiotics and chemotherapeutics is a serious threat to the world population, as antibiotic-resistant microorganisms cause life-threatening diseases in humans. The development of novel, safe, and effective antibacterial agents is the decisive solution to this issue. In this context, bioactive polymer materials with antibacterial properties could be promising agents to control MDR bacteria; therefore, this Special Issue focuses on such materials. It is an open forum where scientists/researchers may share their knowledge, investigations, and findings in this promising field.

This Special Issue contains a total of 17 articles. Among these 17 articles, 3 are comprehensive review articles, and the remaining 14 are research articles. These fourteen original articles are devoted to the antimicrobial applications and mechanisms of various bioactive materials against pathogenic microorganisms.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/10735

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.