



International Journal of
Molecular Sciences

IMPACT
FACTOR
4.9

Indexed in:
PubMed

CITESCORE
9.0

Special Issue Reprint

The Chitosan Biomaterials

www.mdpi.com/books/reprint/11663

Edited by

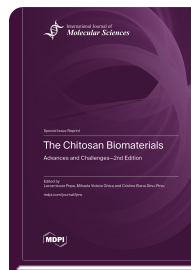
Lacramioara Popa

Mihaela Violeta Ghica

Cristina Elena Dinu-Pirvu

ISBN 978-3-7258-5423-3 (Hardback)

ISBN 978-3-7258-5424-0 (PDF)



This Reprint showcases cutting-edge research on chitosan and its derivatives, emphasizing their multifunctional role across biomedical, pharmaceutical, agricultural, and environmental fields. The selected contributions highlight recent progress in drug delivery, wound healing, antimicrobial activity, heavy metal adsorption, and plant protection. Special attention is given to the design of chitosan-based composites, their functionalization, and biocompatibility, as well as their ability to modulate oxidative stress. By bringing together innovative methodologies and practical applications, this Reprint provides a comprehensive and timely overview of how chitosan is being developed into a versatile material to address current scientific and technological challenges.



Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/11663

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.