



pharmaceuticals

IMPACT
FACTOR
4.8

Indexed in:
PubMed

CITESCORE
7.7

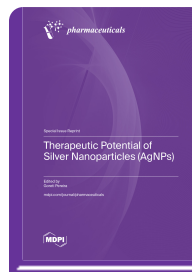
Special Issue Reprint

Therapeutic Potential of Silver Nanoparticles (AgNPs)

www.mdpi.com/books/reprint/11437

Edited by
Goreti Pereira

ISBN 978-3-7258-4751-8 (Hardback)
ISBN 978-3-7258-4752-5 (PDF)



Silver nanoparticles (AgNPs) have gained significant attention in the field of biomedicine, primarily for their antimicrobial properties. However, these versatile nanoparticles are now emerging as multifaceted therapeutic agents capable of being used to address a wide range of diseases. AgNPs exhibit size- and shape-dependent properties, allowing them to be tailored for specific applications. Their high surface-area-to-volume ratio and active surface enable precise control over surface charge and functionalization, further expanding their utility. Additionally, AgNPs possess localized surface plasmonic resonance, which holds promise for photo-assisted therapies.

AgNPs can be synthesized through various methods, with chemical reduction synthesis being the most commonly used. However, the utilization of biological methods and the adoption of green chemistry approaches are on the rise, aligning with sustainability objectives.

This reprint showcases the utilization of AgNPs for therapeutic purposes, ranging from traditional antibacterial applications to innovative uses.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11437

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.