

Special Issue

Antibacterial Activity of Nanoparticles

Message from the Guest Editors

We would like to invite you to submit high-quality work in the synthesis, characterization, and antibacterial mechanism study of novel antimicrobial nanoparticles to this Special Issue of *Nanomaterials*. Antibacterial nanoparticles represent one potential solution to antimicrobial resistance. These compounds not only kill antibiotic-resistant bacteria via different modes of action, but can also be used with existing clinically relevant antibiotics to help further overcome antimicrobial resistance mechanisms. As such, antibacterial nanomaterials are gaining increasing attention. This Special Issue aims to highlight outstanding works and review articles that will advance the field of antibacterial nanomaterials. All manuscripts reporting the novel synthesis, characterization, and antibacterial mechanism of antimicrobial nanoparticles are welcome to submit to our Special Issue.

Guest Editors

Dr. Nghia P. Truong

Dr. Vi Khanh Truong

Prof. Dr. Scott Rice

Deadline for manuscript submissions

closed (31 December 2020)



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/27627

Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

[mdpi.com/journal/
nanomaterials](https://mdpi.com/journal/nanomaterials)





Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
nanomaterials](https://mdpi.com/journal/nanomaterials)



About the Journal

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)