



Antibacterial Activity of Nanoparticles

Guest Editors:

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Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

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.





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Editor-in-Chief

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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.

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