



Advances in Antimicrobial Strategies Based on Nanoparticles

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Message from the Guest Editor

In recent years, the resurgence of bacterial resistance to traditional antibiotics and the extensive pandemic context have paved the way for alternative therapeutic approaches that can overcome these problems. Nanoparticles and nanosystems have received increasing attention due to their unique physical and chemical properties.

This Special Issue of Materials will try to cover recent advances in the design and synthesis of nanoparticles and nanomaterials (metals, oxides, carbon-based nanoparticles, dendrimers, lipids, liposomes, polymer nanoparticles, etc.) used in new antimicrobial strategies. We welcome the submission of full papers, communications, and reviews. Potential topics include, but are not limited to:

- Nanomaterials in medicine (biomedical devices, drug delivery, imaging etc.);
- New therapeutic approaches based on antimicrobial nanoparticles;
- Advances in drug delivery systems, from 0 to 3D structures;
- Stimuli-responsive systems;
- Nanoparticles in sensing systems;
- Antimicrobial strategies based on nanoparticles.





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Message from the Editor-in-Chief

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