

Special Issue

Recent Advances in Nanomedicines Against Bacterial Infections

Message from the Guest Editors

The world is currently experiencing a serious health crisis due to the high morbidity and mortality rates linked to infectious diseases, in particular, caused by bacteria. The increase in antibiotic resistance is still a growing challenge, which hinders the treatment of bacterial infections. Therefore, alternative therapies/strategies are needed due to the lack of effective treatments. In the last years, nanotechnology has emerged as a new strategy to combat bacterial infections and antibiotic-resistant bacteria. Using nanoparticles (NPs) to prevent, treat, or diagnose bacterial infections is one of the most promising approaches since NPs can act directly on bacteria and/or as delivery systems of compounds, improving their therapeutic efficacy. Thus, this Special Issue focuses on the recent developments in NPs and their current applications in bacterial infections, including their prevention, diagnosis, and treatment. Researchers are welcome to submit their latest findings as original papers and reviews.

Guest Editors

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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