

Special Issue

Approaches to Fight Microbial Infection-Related Biofilms

Message from the Guest Editors

Biofilms are structured communities of bacterial cells enclosed in an extracellular polymeric matrix (EPS) that can adhere to different kinds of surfaces. Most microbial infections are associated with the formation of biofilms; these infections generally become chronic due to their resilience to immune system, antibiotic, and other treatments.

This Special Issue aims to provide a fundamental understanding of the role of the intricate underlying mechanisms of biofilm formation and their role in the pathogenesis and resistance of infections. Omics technologies are continuously offering new insights into the characterization of this issue. (Meta)genomics, (meta)proteomics, and metabolomics studies will help us to understand the microbial ecology of biofilm communities and are invited for publication in this Special Issue. Studies on the development of novel antibiofilm strategies, such as natural antimicrobials/QS inhibitors and their mechanism of action, or new technical applications.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2023)



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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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