Special Issue

Bacterial Biofilm Infections and Treatment

Message from the Guest Editor

Biofilms are responsible for most microbial infections in the human body because of their ability to evade detection, resist immune attack and withstand antimicrobial treatment. This Special Issue plans to give an overview of the most recent advances in biofilm research, and aims to present selected contributions on biofilm infections, antimicrobial tolerance and the development of antibiofilm agents. Potential topics include, but are not limited to: biofilm pathogenesis; biofilm mechanisms, including c-di-GMP signaling and quorum sensing; host–biofilm interactions; biofilm tolerance to antimicrobials; the detection of biofilm infections; the role of biofilms in clinical settings; the discovery and evaluation of antibiofilm agents, including quorum-sensing inhibitors and biofilm-degrading enzymes; antibiofilm chemotherapy in clinical settings; and future perspectives of biofilm infections and chemotherapy. We welcome the submission of original research articles, communications, or reviews focused on the mechanisms of biofilm pathogenesis or novel compounds intended to mitigate it. All submitted papers will undergo a standard independent peer-review process.

Guest Editor

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Deadline for manuscript submissions

closed (30 December 2023)

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/107288

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Hinh Ly
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