Special Issue

Advances in Treatment of Biofilm Infections

Message from the Guest Editors

Biofilm is a structured consortium generated by microbial cells adhering to each other and surrounded by a self-produced extracellular polymeric matrix attached to a living or abiotic surface. Microbials growing in a biofilm become less susceptible to antibiotics and immunological responses, making the treatment of biofilm-associated infections more challenging. The available literature indicates that aggressive antibiotic treatment is usually effective in controlling exacerbations of chronic biofilm infections caused by dispersed bacteria, but it is not effective in eradicating biofilm-associated infections due to difficulty in achieving effective drug concentration in vivo. This Special Issue aims to expand our knowledge of novel possibilities to improve the treatment of biofilm infections. I would like to invite colleagues investigating any of the research issues in the broader biofilm problem to submit their manuscripts to this Special Issue in the form of original research and reviews.

Guest Editors

Dr. Urszula Wnorowska

Department of Medical Microbiology and Nanobiomedical Engineering, Medical University of Bialystok, Bialystok, Poland

Dr. Ewelina Piktel

Department of Medical Microbiology and Nanobiomedical Engineering, Medical University of Bialystok, Bialystok, Poland

Deadline for manuscript submissions

closed (15 March 2024)

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/102111

Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

mdpi.com/journal/pathogens

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/journal/pathogens

About the Journal

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
Department of Veterinary and Biomedical Sciences, College of Veterinary Medicine, University of Minnesota, Saint Paul, MN 55108, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)

MDPI