Special Issue

Innovative Strategies to Counteract Microbial Biofilm Growth

Message from the Guest Editors

Microbial biofilms are an important worldwide problem because of their high incidence and prevalence in healthcare and food-related environments. Biofilms are communities of microorganisms embedded in a self-produced matrix of extracellular polymeric substances. This mode of microbial growth makes the microorganisms resistant to environmental stresses such as desiccation, pH, nutrient deficiency, host immune system, antibiotics, and antimicrobial compounds. For this reason, the microbial contamination of surfaces and the incidence of infections continue to occur despite conventional antimicrobial methods. This Special Issue invites researchers to publish innovative approaches to inhibit the growth of microbial biofilms. Articles will be compiled that include the use of physical, chemical, and biological strategies to counteract microbial biofilms. Original research and review articles will be accepted. Topics of interest include (but are not limited to) the following areas:

- Novel plant-derived compounds;
- New synthetic antimicrobials;
- Physical methods;
- Microbial enzymes and bacteriocins;

Guest Editors

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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

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