Special Issue

Advances in *Pseudomonas aeruginosa* Biofilm Control

Message from the Guest Editors

Pseudomonas aeruginosa was recently recognized as one of the most life-threatening bacteria and listed as a priority pathogen for research and development of new antibiotics by the WHO. Additionally, treatment is hindered by the P. aeruginosa ability to form biofilms which protect them from antibiotics, disinfectants, and host immunity, conferring the capacity for colonization and long-term persistence. It is needed to develop therapeutic strategies as an alternative to traditional antibiotics, expected to disarm and eradicate P. aeruginosa. This Special Issue aims to collect submissions on all aspects of P. aeruginosa biofilm control and prevention strategies, thus providing a platform for researchers interested in sharing their recent results. Studies providing new insights into innovative therapeutic strategies (e.g., antimicrobial peptides, bacteriophages, natural products, nanoparticles, nanocarriers, EPS and QS inhibitors, photodynamic and photothermal strategies) to counteract biofilm formation and established (mature) biofilms in P. aeruginosa will be considered for publication.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2024)

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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