Special Issue

Structure and Composition of Biofilms of Cutaneous and Environmental Microorganisms

Message from the Guest Editor

In biofilms, microorganisms undergo local adaptations, as observed for bacterial persisters. The 3D structure of biofilms and their organization remain an important question. The exact composition of the biofilm matrix is poorly known, as it is particularly difficult to separate it from the outer surface of the microorganisms and the microenvironment. As was recently shown, the dynamics of the biofilms depends on communication between microorganisms, but also on the perception of environmental and host factors. Compounds involved in this process include classical soluble molecules as well as volatile substances and even vesicles. We can also interrogate the role of phages and other viruses in the context of biofilms. As such, studying biofilms remains a topical challenge, requiring the mobilization of transdisciplinary knowledge and techniques.

As of this Special Issue, I invite you to submit research articles, review articles, and short communications related to the structure, composition, and dynamics of cutaneous and environmental biofilms.

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Guest Editor

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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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