

Special Issue

Biofilm Development and Its Eradication

Message from the Guest Editor

Bacteria readily attach to surfaces, forming biofilms. These are organised communities of bacteria embedded in a protective, self-generated extracellular matrix (ECM) that distinguishes them from free-living cells, such as their intrinsic tolerance to antibiotics and host immune defences and ability to cause persistent infections. Biofilm formation is largely determined by the interplay between bacterial surface sensing, the prevailing environmental conditions, and the physical and chemical properties of the surface. In this Special Issue, we aim to attract papers covering a broad range of disciplines on the development of new preventive approaches and offering a better understanding of the molecular and cellular mechanisms involved in biofilm initiation and development on which they depend. Hereby, we wish to highlight the emerging anti-biofilm strategies that can be translated to combat biofilm-associated infections, including targeting biofilm formation, disrupting the existing biofilms, and preventing the development of antibiotic resistance.

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.

Editor-in-Chief

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