

Special Issue

Bacterial Biofilms in Health and Disease

Message from the Guest Editor

Biofilms are a group of microorganisms such as bacteria, fungi and algae that adheres to self-produced slimy protective extracellular matrix. This matrix is called an extracellular polymeric substance (EPS), which is composed of polysaccharides, proteins and nucleic acids that help the microbes to stick to each other and surfaces. The biofilm cells acquire physiological characteristics that differ from that of planktonic cells, particularly with respect to the production of EPS, growth rate, expressed genes and increased horizontal gene transfer. The aim of this Special Issue 'Bacterial Biofilms in Health and Disease' is to collect updated reviews as well as original articles on topics including the mechanisms of formation of biofilms in health and disease, the impact of biofilms in health, antibiotic resistance within biofilms and innovative anti-biofilm therapies or preventive strategies for controlling biofilm-related infections.

Guest Editor

Dr. Bindu Subhadra

Department of Biological and Earth Sciences, Arkansas Tech University, Russellville, AR, USA

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

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About the Journal

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

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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