

Special Issue

Biofilms at Interfaces

Message from the Guest Editor

Bacteria are everywhere. They can attach and form biofilms at interfaces (solid–liquid, liquid–liquid, liquid–air) that can impact different industries, e.g., healthcare, food packaging, pharmaceuticals, and oil recovery.

Biofilms are accumulations of microbial cells which are embedded in a matrix of extracellular polysaccharides. Biofilms are mostly deleterious, i.e., biofilm formation takes place in food processing equipment, heat exchanger plate surfaces, water pipelines, and medical devices. They can also be beneficial in applications such as bioremediation and wastewater treatment. This Special Issue aims to collect papers focused on biofilm formation at interfaces (solid–liquid, liquid–liquid, liquid–air), with special interest in the following:

- Understanding of the physicochemical properties of bacterial biofilms at interfaces;
- Development of novel strategies to prevent or eradicate detrimental biofilms;
- Strategies that promote formation of beneficial biofilms.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2023)



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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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