Journal of
Functional Biomaterials

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Bacterial Interactions with Dental and Medical Materials

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editor

The aim of this Special Issue is to present the current scenario of bacteria interactions with biomaterials' surfaces through original research articles and timely reviews on this subject.

The interaction of bacteria with biomaterials' surfaces has important clinical implications due to biofilm formation and biofouling. Although biofilms play an important positive role in a variety of ecosystems, they also have many negative effects, including biofilm-related infections in medical and dental settings.

We invite manuscripts that focus on a wide range of issues and concerns regarding Bacterial Interactions with Dental and Medical Materials including, but not limited to:

- Clinical perspectives for device-associated infections
- Infection models investigating materials' interaction
- Bacterial response to dental and medical materials' surfaces
- Antibiofilm-Containing Dental and Medical Devices
- Biomimetic and Antimicrobial Nanotechnology applied to dental and medical materials
- Antibacterial stewardship on biomaterial design and development
- Infection-resisting biomaterials

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Editor-in-Chief

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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