

Special Issue

Bacterial Interactions with Dental and Medical Materials

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

Guest Editor

Dr. Mary Anne Melo

Department of General Dentistry, University of Maryland School of Dentistry, 650 W. Baltimore St., Baltimore, MD 21201, USA

Deadline for manuscript submissions

closed (30 June 2020)



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Journal of Functional Biomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jfb@mdpi.com

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[jfb](#)





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About the Journal

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.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama

School of Engineering and Materials Science, Queen Mary University of London, London, UK

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