

Special Issue

Prevention, Treatment and Detection of Biofilms on Implants

Message from the Guest Editors

This Special Issue will compile recent advances in biofilm prevention, and treatment and detection in implant materials at all stages of development, from the benchtop to the clinic. The articles presented in this Special Issue will cover various topics, ranging from, but not limited to, the optimization of coating methods and preparations, the functionalization of biocidal actives, surface topography, the dispersion of biofilms, the in vitro and in vivo detection/sensing of biofilms, implant performance in in vivo models of infection, and biofilm formation, among others. The following is the keywords:

- biocidal
- surface topography
- microbial adhesion
- biofilm formation
- antimicrobial coating
- antifouling coating
- biofilm dispersion
- sensing

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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