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Anti-Infective Materials

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Message from the Guest Editors

Dear Colleagues,

Attracting increasing interest over the years, anti-infective biomaterials appear as the only winning strategy to prevent implant infections and significantly reduce their rates of occurrence. Various strategies have been devised to convert the surfaces of biomedical devices into antimicrobial surfaces. Anti-fouling and bacteria-repelling surfaces, antibacterial self-sterilizing coatings, bulk materials endowed with intrinsic antibacterial properties, nanostructured surfaces, local delivery systems of bactericidal, and anti-biofilm or immune-modulatory molecules are just some of the anti-infective solutions that are being proposed.

The scope of this Special Issue, entitled “Anti-infective materials”, is to provide state-of-the-art research on the production, characterization, and application of biomaterials designed for their anti-infective properties and, at the same time, their biocompatibility.

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