Special Issue

Nano and Submicro Surface Modifications That Modulate Bacterial Growth

Message from the Guest Editor

Heterogeneous surfaces, especially those with pores on the nanometer and submicrometer scale, affect the growth of microorganisms differently compared to homogeneous surfaces made of the same materials. There is a popular belief among scientists that nano surfaces have potential as antibacterial and bacteriostatic materials. This Special Issue welcomes the submission of original research works, as well as reviews, dealing with the modification of bacterial growth by well-characterized and defined surfaces. Topics should focus on correlating surface topology and the nature of growth modification. Works showing any effects related to pro-growth stimulation and less-common observations in the scientific literature are particularly welcome. See more information in https://www.mdpi.com/si/50758

Guest Editor

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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