Special Issue

Advances in Antibacterial Laser-Fabricated Nanomaterials

Message from the Guest Editor

This special issue of *Nanomanufacturing*, "Advances in Antibacterial Laser-Fabricated Nanomaterials", is devoted to the serious problem of antibiotic resistance of pathogenic bacterial micro-organisms, which is rapidly developing in bacterial cultures even under hospital conditions. This problem should be definitely and quickly solved to save human lives, being addressed from many—chemical, physical, micro-biological and other points. Meanwhile, innovative laser-fabricated nanomaterials—colloidal nanoparticles, nanotextures etc.—are highly welcome to make this service, holding a promise of highly-focused, facile high-tech applications without pronounced side effects. This issue will present a synergistic collection of innovative research results, which could in near future pave a way to emerging pioneering key-enabling approaches to antibacterial treatment and anti-fouling protection. Accepted papers are published in the joint Special Issue in *Nanomanufacturing* or *Nanomaterials* (https://www.mdpi.com/journal/nanomaterials/special_issues/antibacterial_laser_nano).

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About the Journal

Message from the Editor-in-Chief

The capability to manipulate, assemble, and fabricate nano-objects have given rise to nanoscience, one of the most rich and interdisciplinary fields of research. In fact, mechanics, optics, magnetism, or electronics at the nanoscale strongly differ from their macroscopic counterparts, and thus several disciplines are necessary to study nanomaterials. This field's development parallels the technical advances that have made it possible to control matter at the nanoscale. Our journal, *Nanomanufacturing*, seeks to provide a forum for discussion and a platform to publish the latest results regarding the fabrication, manipulation, scalability, and eventual industrial production of miniaturized devices or objects. All of our articles are published with rigorous refereeing and open access.

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