Special Issue

Advanced Nanomaterials for Antibacterial Applications

Message from the Guest Editors

In the past few decades, nanomaterials have shown great potential and have made significant progress in cancer detection, drug delivery, imaging contrast agents, and antibacterial activity; they have been integrated with various cutting-edge manufacturing technologies, jointly promoting the development of advanced biomedical materials. This combination not only broadens the application range of biological materials, but also greatly improves the performance and safety of biomedical products, bringing revolutionary changes to the field of medical health. This Special Issue focuses on the application of advanced nanomaterials in the biomedical field. In addition, key technologies such as synthesis, surface modification, toxicology, and the size and shape control of nanomaterials and how these factors affect their performance in biomedical applications are also welcome. This Special Issue emphasizes the innovative application of nanomaterials in the biomedical field, provides new ideas and references for scholars in related fields, and promotes the development of nanotechnology in the biomedical field. In addition to original articles, short communications and reviews are welcome.

Guest Editors

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Dr. Xue Bai

Dr. Jianglong Kong

Deadline for manuscript submissions

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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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