

Special Issue

Antibacterial Surfaces Produced by Advanced Materials and Manufacturing

Message from the Guest Editor

The accumulation of microbes upon surfaces and the subsequent environmental contamination is an issue that is of great concern to many industries, including the healthcare sector, water, and food industries. For example, within the healthcare industry, microbial contamination of hospital apparatus is a leading cause of hospital-acquired infection, which ultimately has a significant affect on patient mortality rates. Given this, the major topic of this Special Issue is the production of novel antimicrobial surfaces for use within commercial sectors such as those listed above, to name but a few. Articles involving related areas of interest are highly welcome to this issue, such as:

- Advanced manufacturing techniques (i.e., additive manufacturing (3D and 4D printing, and screen/roll-to-roll printing);
- Advanced materials (i.e., graphene and graphitic carbons, and di-chalcogenides);
- Surface modifications (i.e., coatings);
- Microbial and organic fouling (i.e., antimicrobial and anti-adhesive);
- Surface topography and characterization.

Keywords: antimicrobial surfaces; antifouling; biofilms; nano/micro-materials; additive manufacturing

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Editor-in-Chief

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