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Antimicrobial Peptides, Polymers and Surfaces

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editor

Dear Colleagues,

The development of antibiotic resistance in bacteria is a major public health threat facing the world today. The fight against antibiotic resistance requires a multidimensional approach to develop novel antimicrobials, novel methods of delivery for antibiotics, and novel materials to resist bacterial contamination. This Special Issue is aimed at highlighting ongoing and emerging research in the areas of antimicrobial peptides, antimicrobial polymers, and antimicrobial surfaces. These areas comprise a tremendous variety of research directed at developing novel compounds for treating infections and the development of novel materials to prevent contamination and spread of bacteria. These areas are inherently interconnected as lessons from one are often applied to others. The issue is open to research from synthesis to materials characterization to biochemical/biophysical characterization of mechanism of action.

Dr. Gregory Caputo
Guest Editor

Keywords: antibacterial materials; antimicrobial peptides; antimicrobial polymers; thin films; materials; biofilms; antifungal

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Editor-in-Chief

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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 disciples 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.

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