

Special Issue

New Materials for Antimicrobial Applications

Message from the Guest Editor

Whilst morbidity and mortality rates of infectious diseases have dramatically declined since the 19th century, due to improvements in hygiene and sanitation and the creation of antibiotics and vaccines, pathogenic microorganisms pose an ever-increasing danger to human health as a large number of microorganisms have no available treatment. This results in the continued emergence of outbreaks. This Special Issue aims to provide a platform for recent advances in the area of new materials for antimicrobial applications. We invite original research manuscripts, state-of-the-art reviews and short communications focused on the manufacture, characterization and application of novel materials with antimicrobial properties. Potential topics may include (but are not limited to): design, development and characterization of antimicrobial materials; mechanisms of action; interactions between microorganisms and materials; antimicrobial surfaces and coatings; infection control and prevention; effective antimicrobial agents in low- and middle-income countries; eco-friendly antimicrobial materials for sustainable development.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2022)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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