Special Issue

Advances in Antimicrobial Sustainable Polymers

Message from the Guest Editor

Polymer science is playing a pivotal role in facing these problems by providing a new generation of bio-based materials that can be obtained from renewable resources and be modified or processed in combination with antimicrobial substances and patterned microstructures with the capacity to limit or even rid the bacterial capability to adhere, proliferate, and survive in contact with bioactive surfaces.

This Special Issue of Applied Sciences intends to focus on the most recent advances obtaining antimicrobial sustainable polymers with improved performance for application in antimicrobial food packaging, bacteriostatic textiles, barrier membranes, antifouling, and antibacterial biomaterials and polymer–drug conjugates.

Keywords:
polymers;
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antimicrobial food packaging;
bacteriostatic textiles;
antifouling;
antibacterial biomaterials;
polymer–drug conjugates;
barrier membranes;
biodegradable;
bio-based materials;
sustainable;
eco-friendly

Guest Editor

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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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