

Coatings for Antimicrobial Textiles

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Message from the Guest Editors

Dear Colleagues,

The new SARS-CoV-2 pandemic outbreak and other infectious diseases have revealed the necessity for the development of novel materials that could serve as a means of protection against infections by decreasing viral availability, viability and infectivity. The application of these materials for the preparation and functionalization of fabrics would be of great benefit, as these textiles could offer protection to the general population and to healthcare professionals by improving the lifespan and overall performance of textile products.

Textiles are one of the most widely used materials worldwide. They are an integral part of everyday life, and include clothing, home and upholstery textiles, and medical, automotive, packaging and industrial textiles.

This Special Issue aims to highlight new research, new technologies and novel materials that are used to develop antimicrobial coatings for textiles. The scientific area covered includes all the potential applications of antimicrobial textiles, from commercial products that aimed at the general population to specialised fabrics and textiles for medical and healthcare professionals.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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