

Special Issue

Bactericidal and Virucidal Surfaces for Preventing the Spread of Infectious Diseases

Message from the Guest Editor

Submissions are open to this Special Issue on Bactericidal and Virucidal Surfaces for Preventing the Spread of Infectious Diseases. The importance of antimicrobial and virucidal surfaces has risen in recent years. Nosocomial infections are a well-known problem, causing an estimated number of around 1.7 million infections and around 100.000 deaths per year. Antimicrobial coatings and materials can be used on surfaces such as touch screens, door handles, furniture, and on all the medical devices that can transmit an infection. Moreover, the spread of COVID-19 has made it evident that viral infections could also be spread through surfaces. It is thus important to extend the topic of research not only to bacteria but also to viral contamination. The aim of this issue is to collect research papers and reviews focusing on state-of-the-art antibacterial and antiviral surfaces, on their preparation–functionalization, and on their efficiency in preventing the spread of infections. Communications, research papers, and reviews are welcome.

Guest Editor

Dr. Giacomo Dacarro

Dipartimento di Chimica, Università di Pavia, viale Taramelli, 12, 27100 Pavia, Italy

Deadline for manuscript submissions

closed (20 November 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/109580

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)