

Special Issue

Frontiers in Antimicrobial Materials

Message from the Guest Editors

The recent outbreak of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), which causes coronavirus disease 2019 (COVID-19), is a clear example of how pathogens can cause disastrous effects on global human health and the economy. The next forecasted pandemics will occur due to antimicrobial resistance, which is increasing at an alarming rate. Important viral and bacterial transmission ways are via material contact and aerosols. Therefore, the development of new antimicrobial materials and coatings capable of preventing viral and bacterial transmission is becoming more and more important to keep humans safe from emerging infectious pathogens. Furthermore, the toxicological aspects of these new materials are also very important. Conventional antimicrobial agents include quaternary ammonium compounds, metal ions/oxides, carbon nanomaterials, and antimicrobial peptides. Contributions to this Special Issue will provide new insights into antimicrobial solutions that can prevent viral and bacterial infections; particularly against SARS-CoV-2. Types of manuscripts to be featured include Articles and Reviews.

Guest Editors

Prof. Dr. Ángel Serrano-Aroca
Dr. Murtaza M. Tambuwala
Dr. Martin Birkett

Deadline for manuscript submissions

closed (30 December 2022)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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