

## 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)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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