

Special Issue

COVID-19 and Future Pathogens

Message from the Guest Editor

This special issue will cover a research topic focused on recent advancements in the approaches to combat pathogens, including viruses, bacteria, and fungi that cause infectious diseases in animals, humans, and plants by significantly influencing their health. A better understanding of such infectious agents and adaptation of biotechnological and nano-technological methodologies for their prevention are crucial for sustainable development. The recent pandemic is caused by COVID-19, multiple variants of which enhanced the spreading of the viruses among the worldwide population. These different variants affect the diagnosis and treatment strategies for COVID-19 for sustainable development. Apart from the COVID-19, various other infectious diseases are caused by viruses, bacteria, and fungi or related organisms in plants, animals, and humans. A better understanding of pathogens, host-pathogen interactions, prediction of future pathogens, adaptive evolution (including non-pathogen conversion to pathogens), and sustainable treatment strategies, including management of microbial pathogens by uses of quorum sensing inhibitors derived from natural or biological origin.

Guest Editor

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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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