

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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