



## Novel Nanomaterials and Sensing Platforms for Detection and Diagnosis of Coronaviruses

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Deadline for manuscript  
submissions:

**closed (15 December 2021)**

### Message from the Guest Editor

Corona virus 2019 (COVID-19) has killed more than two million people around the world, a number which continues to increase daily. This outbreak represents an unprecedented global public health challenge. To diagnose COVID-19 and limit its spreading, as well as to help doctors in clinical decision-making, an increasingly large number of medical devices and biosensors utilizing functional nanomaterials and nanotechnology have recently been developed.

This Special Issue aims to feature the most significant advances in technological developments addressing COVID-19's severe problems and associated viruses'. Original research papers and topical review articles are welcome. Short communications or perspective articles are also considered. It is anticipated that the Special Issue will stimulate further research in this rapidly expanding research field.

- Biosensors
- Respiratory monitors
- Medical devices
- Nanomaterials
- Breathing
- Respiratory diseases
- Lung diseases
- Maskcovering effects





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## 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.

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