

Special Issue

Nanotechnology-Assisted Virus Sensing

Message from the Guest Editors

Humankind continually fights endless infectious viruses. Recently, due to the global COVID-19 pandemic, the world's economy was significantly damaged, and the lifestyle of humankind has changed drastically. To minimize the damage, methods for use in the ultrasensitive and rapid detection of infectious viruses are in high demand. With advances in nanotechnology over the last few decades, nanotechnology-assisted diagnostics and biosensors are effective in the fields of healthcare diagnostics and public health surveillance. As chemical and biological signal transducers evolve rapidly with new technologies and advanced approaches, new concepts and innovative techniques are welcome for this Special Issue. Keywords

- virus
- nanomaterial
- nanobiosensor
- colorimetric sensing
- electrochemical detection
- optical sensing
- optoelectronic sensing
- diagnostic
- rapid and ultrasensitive sensing
- self powered biosensors
- dual modality biosensors

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About the Journal

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.

Editor-in-Chief

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