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# **Nanotechnology-Assisted Virus Sensing**

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### **Message from the Guest Editors**

Humankind continually fights endless infectious viruses. Recently, due to the global COVID-19pandemic, 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



Specialsue







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## **Message from the Editor-in-Chief**

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