Special Issue

Nanocarbon Materials for Virus Reduction and Detection

Message from the Guest Editors

At present, the biggest issue for mankind is coronavirus; however, influenza, HIV, and other viruses pose long-term problems that are still the cause of many deaths around the world and, as a public health issue, these cannot yet be considered as over. As influenza and SARS-CoV-2 spread rapidly via air transmission, and with some instances of infection being fatal to humans, early and accurate diagnosis is crucial for proper medical treatment and prevention of further infections. The conventional diagnostic techniques for viruses are widely used for clinical diagnosis; they need time-consuming sample preparation, expensive reagents and equipment, and trained personnel. Due to these outstanding properties, carbon-based nanomaterials have been used in the fabrication of several point-of-care devices for the rapid detection of viruses. This Special Issue on "Nanocarbon Materials for Virus Reduction and Detection" will gather high-quality works related to the carbon-based nanomaterials with antiviral properties for virus protection and the use of these nanomaterials in fabrication devices for virus detection.

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