processes

an Open Access Journal by MDPI

IMPACT FACTOR 3.5

CITESCORE 4.7

Nanocarbon Materials for Virus Reduction and Detection

Guest Editors:

Dr. Zuzana Bytesnikova
Mendelova univerzita v Brne, Department of Chemistry and Biochemistry, Brno, Czech Republic

Dr. Lukáš Richtera
1. Department of Chemistry and Biochemistry, Mendel University in Brno, Zemedelska 1, CZ-613 00 Brno, Czech Republic
2. Central European Institute of Technology, Brno University of Technology, Purkynova 123, CZ-612 00 Brno, Czech Republic

Deadline for manuscript submissions:
closed (30 November 2021)

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.

processes

IMPACT FACTOR 3.5

CITESCORE 4.7

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
𝕏@Processes_MDPI