Special Issue

Novel Biosensors as the Key Enablers for Telemedicine Revolution to Combat COVID-19

Message from the Guest Editors

Due to the unprecedented COVID-19 pandemic, the field of telemedicine is undergoing a transformative change. The lack of proper personal protection equipment (PPE) and the inevitable donning-and-doffing errors often make healthcare workers (HCWs) particularly vulnerable to be infected by the SARS-CoV-2 virus. While telemedicine brings various benefits to both the patients and providers, there are also concerns, especially on the quality of care for virtual visits. There are also implications related to antimicrobial prescribing. Therefore, we believe new and sophisticated biosensors must be developed and deployed to improve the quality of care for combating the COVID-19 pandemic.

No longer are telemedicine services viewed as “nice to have”; they are now a must-have care delivery option in the post-COVID-19 era. Therefore, we believe there is an urgent need for the development and deployment of various novel biosensors to enable a telemedicine revolution to combat COVID-19.

Guest Editors

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Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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