

Special Issue

Digital Epidemiology and COVID-19 Pandemic

Message from the Guest Editors

The COVID-19 pandemic has required the rapid adaptation of scientific research to produce effective and efficient responses. Ultimately, the pandemic has resulted in the transformation of practices, at present increasingly relying on the use of information technology. In this context, digital epidemiology, which relies on the use of new sources of information from digital traces, gradually appears as a useful complementary approach to traditional models of the surveillance, detection, and monitoring of diseases and therapeutic responses.

In this Special Issue of Applied Sciences, we invite the submission of papers that report on the specific experiences of how IT sources of data and/or advanced analytical methods have been used to cope with the COVID-19 pandemic in different countries over the world, especially in Africa. This includes a broad perspective comprising and not limited to data warehouse building/exploitation, as well as the IT-based monitoring of vaccination strategies and vaccination-and/or drug-related effects reported by populations or health professionals.

Prof. Dr. Benjamin Guinhouya

Guest Editors

Prof. Dr. Benjamin Guinhouya

ULR 2694-METRICS, CHU Lille, Université de Lille, 59000 Lille, France

Prof. Dr. Didier K. Ékouévi

Département de Santé Publique, Université de Lomé, 0000 Lomé, Togo

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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