

Special Issue

Spreading of Infection Diseases like COVID-19 and Influenza: Modelling and Propagation Control

Message from the Guest Editors

The recent propagation of Covid19 demands new strategies for the monitoring and control of epidemic diseases. Despite the fact that the understanding of the molecular biology of viruses is much better than decades before, humanity is confronted with the global spread of a very dangerous viral pathogen. The Special Issue is dedicated to new approaches of modelling of infection, epidemic propagation, and all aspects of connecting individual responses to pathogens with pandemic developments and their consequences. Contributions from different fields – coming from medical, molecular biological, ecological, kinetical, biophysical, physicochemical, and mathematical point of views, as well as interdisciplinary concepts, are welcome. The deadline for submitting manuscripts is 31 October 2020. However, authors are encouraged to submit their papers earlier in order to contribute to the recent scientific discussions and for supporting the correct decisions for managing the control of the recent pandemic as soon as possible.

Guest Editors

Prof. Dr. Johann Michael Köhler

Department of Physical Chemistry and Microreaction Technology, Institute for Micro- and Nanotechnologies/Institute for Chemistry and Biotechnology, Weimarer Str. 32, D-98693 Ilmenau, Germany

Prof. Dr. Stefan Wölfel

Institute of Pharmacy and Molecular Biotechnology, University of Heidelberg, Im Neuenheimer Feld 364, 69120 Heidelberg, Germany

Deadline for manuscript submissions

closed (31 October 2020)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/46744

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

mdpi.com/journal/

[appls](https://appls.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)