Special Issue

Emerging and Re-emerging Respiratory Viruses

Message from the Guest Editor

In the last century, influenza, severe acute respiratory syndrome coronavirus, and the Middle East respiratory syndrome coronavirus were the most damaging respiratory infections for humans worldwide. These emerging viral respiratory infections derived from the animal world. Emerging viruses, particularly RNA viruses, can adapt to the rapidly changing global and local environments due to the high error rate of their polymerases. Mutations in the genetic material of RNA viruses accumulate in years and produce new strains of the viruses with new antigenic properties resulting in transmission in humans. The probability of pandemics with new viruses would be high in the future as this type of mutation will reoccur. This Special Issue of *Microorganisms* seeks to attract original research and review articles focused on (1) the development of diagnostic tests for the early detection of human respiratory viruses; (2) findings on the epidemiology and transmission of human respiratory viruses; (3) the development of new vaccines, antivirals, immunotherapeutics, and/or drug repositioning for respiratory viruses; and (4) virus/host interaction.

Guest Editor

Dr. Antonella Bugatti

Section of Microbiology, Department of Molecular and Translational Medicine, University of Brescia, 25123 Brescia, Italy

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

mdpi.com/journal/microorganisms

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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