

## Special Issue

# The Variant-Based Dynamics of SARS-CoV-2 and Other Viral Diseases

### Message from the Guest Editors

Understanding the role of variants in an epidemic/pandemic is essential to understand the dynamics of these diseases which, in turn, is crucial for developing efficient prevention approaches. A priority is to understand what a variant is from both an evolutionary and functional standpoint. It is essential to characterize this process of generation and succession of variants from different angles, i.e., genetics, evolution, selection adaptation, function, transmissibility, virulence, epidemiology, host interaction, host range, multi-host dynamics, modeling, interaction with the immune system, etc. Virus variants represent a significant threat to vaccines. There is a risk that new variants may overcome the protection offered by a vaccine. Investigating virus variant selection and evolution in regard to vaccines is thus another key issue to be addressed. This Special Issue aims to gather works addressing all aspects of viral variant analysis. This Special Issue will welcome all kinds of articles, e.g., reviews, short reports, hypotheses, research articles, opinions, and comments, on all families of viruses.

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### Guest Editors

Prof. Dr. Roger Frutos

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### Deadline for manuscript submissions

closed (21 June 2022)



## Vaccines

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## About the Journal

### Message from the Editor-in-Chief

*Vaccines* (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

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### Editor-in-Chief

Prof. Dr. Ger Rijkers

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### Author Benefits

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).