



an Open Access Journal by MDPI

## Population Immunity and Persistence to SARS-CoV-2 Induced by Infection and Vaccination, Protection against New Infections and Implication for Further Vaccination

Guest Editor:

**Dr. Juan Yang**

School of Public Health, Fudan  
University, Shanghai, China

Deadline for manuscript  
submissions:

**closed (31 October 2024)**

### Message from the Guest Editor

Dear Colleagues,

Although the World Health Organization declared the end to COVID-19's emergency phase, SARS-CoV-2 will be around for a long time and the risk of new variants remains. Having a good knowledge of the population immunity landscape and dynamics and understanding its protection against infections of variants and the severity after infections are critical for policymaking on actions that countries should take in the new phase of the COVID-19 pandemic. The Special Issue aims to collect the latest research results on the sero-epidemiological characteristics of SARS-CoV-2 infections and vaccination. With this in mind, we are pleased to invite the submission of original research articles and reviews investigating the infection incidence and its severity, population immunity landscape, the kinetics of antibodies following prior infections (with any variant), vaccination (particularly post-licensure), or both (hybrid immunity), protection (and cross-protection) against new variants infections, and providing new ideas for the COVID-19 vaccination strategy in the future.

Dr. Juan Yang  
*Guest Editor*



[mdpi.com/si/174292](https://mdpi.com/si/174292)

**Special** *Issue*



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Ger Rijkers

Department of Health, Cognition  
and Behavior, University College  
Roosevelt, 4331 CB Middelburg,  
The Netherlands

## 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.

## 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), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.**

**Journal Rank:** JCR - Q2 (Medicine, Research and Experimental) / CiteScore - Q1 (Pharmacology (medical))

## Contact Us

---

Vaccines Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/vaccines](http://mdpi.com/journal/vaccines)  
[vaccines@mdpi.com](mailto:vaccines@mdpi.com)  
[X@Vaccines\\_MDPI](https://twitter.com/Vaccines_MDPI)