

Special Issue

SARS-CoV-2: Vaccines in the Pandemic Era

Message from the Guest Editors

As of 17 November 2022, the COVID-19 pandemic has resulted in more than 636 million infections with over 6.6 million deaths (<https://coronavirus.jhu.edu/>). Since the pandemic, multiple SARS-CoV-2 vaccine platforms have been successfully developed for COVID-19, including messenger RNA (mRNA), inactivated virus, adenovirus vectors (Ad26.COVS and ChAdOx1), and spike (S) protein subunit vaccine. These vaccines demonstrate high efficacy against SARS-CoV-2 and dramatical reduction in viral transmission, hospitalization, and deaths following two intramuscular injections. However, an increasing number of new SARS-CoV-2 variants of concern (VOCs) have emerged, including the Alpha (B.1.1.7), Beta (B.1.351), Gamma (P.1), Delta (B.1.617.2), and recently dominant circulating Omicron variant. These emerging SARS-CoV-2 VOCs have significantly impaired the effectiveness of current SARS-CoV-2 vaccines. To achieve a more extensive understanding of recent scientific knowledge in SARS-CoV-2 vaccines, this Special issue focuses on SARS-CoV-2 vaccine development. We invite you contribute original research and reviews papers on SARS-CoV-2.

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Deadline for manuscript submissions

closed (31 December 2023)



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.7
Indexed in PubMed



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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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