



vaccines



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Vaccines and Vaccination: Historical Perspectives, Current Issues and Emerging/Evolving Themes

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Message from the Guest Editors

In this Special Issue (SI) of *Vaccines*, we invite our academic and research colleagues to join us in submitting research papers and reviews on historical perspectives on human and animal infectious diseases and vaccine discovery and vaccination programs, the current issues facing vaccines for bacterial and viral diseases, vaccine discovery platforms and policy and regulatory frameworks in the field of vaccines and vaccination as a key public health initiative nationally and internationally, especially during large-scale pandemics such as the current COVID-19 pandemic and seasonal influenza outbreaks. The use of simulation and modelling strategies to track and predict the time-course of infections and viral mutations during a pandemic will also be considered. Greater adoption of artificial intelligence (AI) to assist in rational design of future vaccines during pandemics will also be included in this SI. Finally, development of future efficacy and safety surveillance programs to provide real-time measurements of such signals in the face of exponential changes to the structure of the virus will also be the subject of this SI of *Vaccines*.



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Special Issue



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Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

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