

Special Issue

Veterinary Vaccines and Host Immune Responses

Message from the Guest Editors

The emergence of new and re-emerging infectious diseases that threaten animal populations worldwide and public health requires continuous improvement in vaccine efficacy, safety, and delivery methods. The development of novel vaccine platforms, including subunit, mRNA, and vectored vaccines, enhances the specificity and durability of immune responses in animals, thus providing effective disease prevention. The use of adjuvants in combination with vaccines has also been explored over the decades. Improved adjuvant applications boost immune responses in animals with minimum antigen content, contributing to cost-effective vaccine development. Recent technologies have shed light on the mechanisms of immune responses and molecular interactions that enable the development of more targeted and effective vaccines.

In this Special Issue, we invite original research articles and review articles in the context of recent advancements and ongoing research in veterinary immunology and vaccine development.

Guest Editors

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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.

Editor-in-Chief

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