

Special Issue

Viral Vector-Based and Other Vaccine Strategies for Poultry and Livestock

Message from the Guest Editor

Developing novel vaccine strategies is vital for controlling infectious diseases in poultry and livestock, ensuring food security, and supporting the agricultural economy. Despite significant advancements, challenges persist in optimizing vaccine platforms, improving safety, and expanding applications across species. Viral vector platforms and other non-classical vaccine strategies, have been explored and are among the most promising approaches for safely delivering genes and antigens. Their ability to induce robust immune responses, large-scale production, and adaptability to diverse pathogens make them valuable tools in veterinary medicine. This Special Issue welcomes articles advancing vaccine technologies, immune response mechanisms, and practical veterinary applications. Topics include the development and optimization of viral vector-based vaccines, classical vaccine platforms, alternative vaccine strategies, genetic engineering approaches, delivery methods, production techniques, immune responses, laboratory trials, and field applications. By gathering new studies from experts this Special Issue aims to foster scientific progress and practical advancements in the field.

Guest Editor

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Deadline for manuscript submissions

20 October 2025



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 9.9
Indexed in PubMed



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

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