

Special Issue

Efficacy and Immunology of Nanoparticles Based Vaccines for Poultry and Livestock Infectious Diseases

Message from the Guest Editor

Infectious diseases caused by bacteria, viruses, and parasites are a constant economic threat to the global poultry and livestock industry. Infectious disease infections are not only a problem to animal health but also threaten humans through zoonotic transmission. Vaccination in animals is a safe and effective approach in the control, prevention, and transmission of infections. The traditional infectious disease vaccine requires upgradation to overcome their issues such as non-stability in biological conditions, poor immunogenicity, immune tolerance, side effects, and poor broad protection. Due to their unique physicochemical properties, nanoparticles are used as an adjuvant and/or carrier to improve the efficacy of infectious disease vaccine. With this background, the scope of this special issue is focused on the recent developments in nanoparticles based vaccine preparation for poultry and livestock infectious diseases, vaccine safety and efficacy, vaccine inducing innate and adaptive immune responses and protection, and mechanism of vaccine inducing immune responses.

Guest Editor

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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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