

Special Issue

Porcine Bacteria and Virus Vaccines

Message from the Guest Editor

Bacteria and viruses can affect different systems in pigs, including the gastrointestinal, respiratory, reproductive, central nervous, and cardiovascular systems, resulting in various diseases in pigs. Several pathogens cause severe losses to swine production every year, including *Actinobacillus pleuropneumoniae* (APP), *Glaesserella parasuis* (GPS), African swine fever virus (ASFV), porcine epidemic diarrhea virus (PEDV), and porcine reproductive and respiratory syndrome virus (PRRSV). Studying the pathogenic mechanisms of viruses is a crucial step in disease prevention, as it facilitates the development of targeted vaccines and treatments. This Special Issue will gather the latest advances in porcine pathogens and their vaccines. Potential topics for this Special Issue include, but are not limited to, the following:

- Discovery and virulence identification of a new porcine bacterium or virus;
- Development of porcine bacterial or viral vaccines;
- Immunological assessment of porcine vaccines;
- Immune adjuvants for porcine vaccines;
- Optimization of administration route and/or formula in porcine vaccines.

Guest Editor

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).