

## Special Issue

# Advances in Aquatic Animal Immunology and Vaccine Development for Disease Prevention

### Message from the Guest Editor

Aquatic animal health is crucial not only for sustainable aquaculture and biodiversity, but also for global food security and public health. Aquatic animals, including fish, crustaceans, and mollusks, are susceptible to a wide range of infectious diseases that can lead to significant economic losses and ecological disruptions. Moreover, some aquatic pathogens pose zoonotic risks, threatening human health. Understanding the immune mechanisms of aquatic animals and developing effective vaccines are essential steps toward mitigating these risks and promoting sustainable aquaculture practices. This Special Issue invites original research articles, reviews, and short communications that focus on the following topics:

- **Mechanisms of innate and adaptive immunity in aquatic animals;**
- **Novel vaccine development and delivery systems for aquatic animals;**
- **Immune responses to emerging and re-emerging infectious diseases in aquatic species;**
- **One Health approaches to aquatic animal vaccination and disease prevention;**
- **Innovative strategies for vaccine storage, distribution, and administration in aquaculture settings.**

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### Guest Editor

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**Deadline for manuscript submissions**



## Vaccines

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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.

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### Editor-in-Chief

Prof. Dr. Ger Rijkers

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Medicine, Research and Experimental) /  
CiteScore - Q1 (Pharmacology (medical))

#### Rapid Publication:

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).