

Special Issue

Research on Swine Virus Infection and Immunity

Message from the Guest Editors

Swine viral diseases pose a severe threat to the swine industry due to their highly contagious nature, causing substantial economic losses and raising significant public health concerns. Notable examples include porcine reproductive and respiratory syndrome virus (PRRSV) and its novel isolates with distinct pathogenicity, highly pathogenic variants of porcine epidemic diarrhea virus (PEDV), swine rotavirus, African swine fever virus (ASFV), pseudorabies virus (PRV), Japanese encephalitis virus (JEV), and influenza viruses, which continuously mutate under various immune selection pressures. To address these challenges and improve disease control, there is an urgent need for innovative approaches to prevention, diagnosis, and treatment. We encourage scientists to contribute their experimental and theoretical findings in the following areas: genomic structure and function, immune evasion mechanisms, antiviral therapy, vaccine development, novel diagnostic assays, and other related aspects of swine virology.

Guest Editors

Prof. Dr. Yanhua Li

College of Veterinary Medicine, Yangzhou University, Yangzhou 225009, China

Dr. Chenxi Li

College of Veterinary Medicine, Yangzhou University, Yangzhou 225009, China

Deadline for manuscript submissions

closed (31 July 2025)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/229503

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)





Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)



About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for
Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).