Special Issue

The Pathogenesis, Epidemiology and Diagnosis of Infectious Diseases in Livestock Animals

Message from the Guest Editors

The articles in this Special Issue will cover a range of topics related to infectious diseases in livestock. They will provide insights into the pathogenesis of various infectious agents, including viruses, bacteria, fungi, protozoa, and other parasitic pathogens, and how these agents interact with their hosts to cause disease. In addition, this Special Issue will highlight the latest advances in the diagnosis of infectious diseases in livestock. We invite articles describing various diagnostic techniques, including traditional methods such as bacteriology, mycology, and virology, as well as newer diagnostic approaches such as molecular biology, new-generation sequencing, in situ hybridization, and immunohistochemistry. The use of these techniques in the detection, pathogenesis, and identification of infectious agents of livestock animals as well as their advantages and limitations can be presented in this Special Issue.

Guest Editors

Prof. Dr. Selwyn Arlington Headley

Laboratory of Animal Pathology, Veterinary Hospital, Department of Veterinary Preventive Medicine, Universidade Estadual de Londrina, Campus Universitário, Londrina, Brazil

Prof. Dr. Fabiano José Ferreira De Sant'Ana

Laboratory of Veterinary Pathological Diagnosis, Faculty of Agronomy and Veterinary Medicine, University of Brasília, Brasília, DF, Brazil

Deadline for manuscript submissions

closed (15 May 2025)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/190890

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

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

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).

MDPI