



## Molecular Epidemiology of Microbial Diseases in Animals

Guest Editors:

**Dr. Juan José Valdez-Alarcón**

**Dr. Elizabeth Loza-Rubio**

**Dr. Paula Ruybal**

Deadline for manuscript  
submissions:  
**closed (15 June 2024)**

### Message from the Guest Editors

Knowledge of the genetic diversity and field behaviour of microbial pathogens, backbones of molecular epidemiology, is an essential tool for the fight against microbial pathogens. Molecular identification and genotyping had become a powerful strategy to precisely identify and know about the genetic background of microbial isolates and its relationships with epidemiological variables. Zoonotic infectious diseases are the typical examples of pathogens with differential genetic backgrounds associated with human or animal pathologies. Under the view of the One Health Initiative, surveillance of particular microbial pathogens genotypes in animals is essential to understand the emergence of zoonotic diseases. Outbreaks of novel genotypes should be a major subject of epidemiological surveillance.

In this Special Issue of “Molecular Epidemiology of Microbial Diseases in Animals” we are interested in bringing together original manuscripts or comprehensive reviews that highlight the importance of molecular epidemiology approaches to understand microbial pathogen behaviour and/or provide information for tailor-made solutions against microbial infectious diseases in animals.





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Nico Jehmlich

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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**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))

## Contact Us

---

*Microorganisms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/microorganisms  
microorganisms@mdpi.com  
X@Micro\_MDPI