



Molecular Epidemiology of Microbial Diseases in Animals

Guest Editors:

Dr. Juan José Valdez-Alarcón

Dr. Elizabeth Loza-Rubio

Dr. Paula Ruybal

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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.





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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.

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Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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