Special Issue

Molecular Epidemiology of Microbial Diseases in Animals

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.

Guest Editors

Dr. Juan José Valdez-Alarcón

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Dr. Paula Ruybal

Deadline for manuscript submissions

closed (15 June 2024)

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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

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