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## Omics Research of Pathogenic Microorganisms

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submissions:

**closed (20 February 2022)**

### **Message from the Guest Editor**

The domestication of animals and plant breeding has supported the agricultural intensification that has allowed for huge human population sizes and economic growth. Plant and animal production in a changing world with increasing human populations is facing diverse challenges, including infectious diseases of plant crops and domestic animals. Disease-associated microbes, including bacteria, fungi and viruses, have been posing a major threat to agricultural production worldwide, and the increased use of antibiotics for the control of microbial pathogens has resulted in the global rise of antibiotic resistance. At present, old and new infectious diseases of plants, animals and humans continue to emerge, emphasising the need for novel approaches to detect, identify and control these diseases.

This issue focuses on state-of-the-art omics work that is used to study pathogenic microbes of plants, animals and humans, as well as novel insights from this research and how these insights can be translated to practice.



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# Special Issue



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## Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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