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## Pathogenic Mechanism of Intestinal Microbes in Fish and Shrimp

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### Message from the Guest Editors

According to the estimates of the World Bank, the annual loss due to diseases in aquaculture alone is more than USD 3000 million. So far, even in cases where the clinical signs of diseases have been well described, little is known about how the presence of a pathogen may impact or interact with the microbial communities in the gut. In this Special Issue, we cordially invite researchers from across the world to contribute their cutting-edge work on recent advances on gut microbiota in fish and shrimp health. All types of articles focusing on the pathogenic mechanisms and gut health management of fish and shrimp will be considered for publication, including: composition and functioning of the intestinal microbiome in normal and pathological conditions, interactions between ‘health-promoting’ microorganisms and disease-caused pathogens, the discovery of intestinal biomarkers in health status and dysbiosis, epidemiology and risk factors when there’s a disease outbreak, animal models on the intestinal microenvironment, and innovative antibiotic-free treatments for pathogen infections.

Deadline for manuscript  
submissions:

**closed (31 December 2023)**



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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