Special Issue

Pathogens in Aquaculture Environments

Message from the Guest Editor

Aquaculture has experienced accelerated growth in recent years. Still, large-scale production has been linked to environmental issues and diseases, particularly in intensive farming systems, which have significantly contributed to a higher number of disease cases. Many infectious agents are the causative agents of infections in all aquaculture production systems. Various studies have shown that most infectious diseases found in farmed organisms, whether in marine or freshwater environments, are caused by bacteria, many of which act as secondary opportunistic pathogens that attack sick organisms by affecting their natural immunity as hosts. Consequently, to find effective solutions for the timely detection of the major diseases limiting aquaculture system production, research should focus on the characteristics of potential pathogens, the biology of the hosts, and a proper understanding of global environmental factors. The objective of this Special Issue is to address health problems based on scientifically verified and recommended methods that help identify microbial agents infecting aquaculture organisms and systems.

Guest Editor

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"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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