

## Special Issue

# Pathogen Characterization, Host Immune Response and Development of Strategies to Reduce Losses to Disease in Aquaculture

### Message from the Guest Editor

The global human population is expected to exceed 9 billion by 2050 (UN Estimates), increasing the pressure on the agricultural sectors to maximise food production. Seafood will have increasing importance in providing animal protein to a rapidly growing population. Seafood production from aquaculture has been the fastest growing food industry in the world for the last 40 years, but its rate of growth has slowed over the last 15 years. The emergence and spread of new diseases of finfish and shellfish has contributed to this decline. New tools to forecast and prevent diseases in aquaculture are required to maintain the industry exponential growth in seafood production. This Special Issue in *Pathogens* will highlight advances in pathogen characterization, host-immune responses, and mitigation strategies to reduce losses to disease in finfish and shellfish aquaculture. We look forward to your contribution.

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### Guest Editor

Prof. Dr. Timothy Green  
Department of Fisheries and Aquaculture, Vancouver Island University |  
VIU

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### Deadline for manuscript submissions

closed (31 August 2020)



## Pathogens

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Moriya Tsuji

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