

Special Issue

Parasitic Diseases of Fish: Identification, Host-Parasite Interactions and Molecular Biology

Message from the Guest Editors

Diseases are the major impediment for the rapid growth rate of aquaculture and fisheries. Even though they incur both direct and indirect losses, research efforts on parasitic diseases of aquatic animals are often neglected and disparaged. There is a great diversity of parasites that affect fish species, both captive and in the wild. Global economic losses to the tune of from 1.05 to 9.58 billion USD/year have been estimated due to parasites in finfish aquaculture. Moreover, certain fish parasites are known to threaten the wild fish population and may even lead to the local extinction of fish species. Accordingly, the proposed Special Issue shall provide a detailed insight into parasitic diseases of fish. The Special Issue seeks novel research and review papers on all aspects of fish parasitology, including but not limited to emerging parasitic diseases, characterization of pathogens, surveillance, epidemiology, host-parasite interaction, immune evasion strategies adopted by parasites, infection dynamics of parasites in the wake of global warming, molecular parasitology, novel diagnostic tools, innovative treatment and control measures, and drug-resistant parasites.

Guest Editors

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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.

Editor-in-Chief

Prof. Dr. Hinh Ly

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