

Special Issue

Fish Pathology and Immunity

Message from the Guest Editors

Viruses, bacteria, fungi, and parasites cause serious infectious diseases not only in human but also fish and shellfish. Until now, researchers in microbiology have investigated the outbreak mechanisms of infectious diseases mostly from the viewpoint of pathogenicity of pathogens. However, it is still difficult to accurately account for the causes of many infectious diseases because of the complex factors deciding the pathogenicity of pathogens and immune state of host organisms. Therefore, elucidation of the outbreak mechanisms of infectious diseases from viewpoints of both pathogenicity of pathogens and environmental changes is important, because such changes are known to be able to induce stressors in host organisms resulting in suppressing their immune systems. Specially, physical, chemical and biological impacts in aquatic ecosystems, e.g., hypoxia, pollutants, and red tide, would be stressors for aquatic organisms. This Special Issue “Fish Pathology and Immunity” will cover research topics and outbreak mechanisms of fish diseases related to environmental changes.

Guest Editors

Dr. Shin-Ichi Kitamura

Center for Marine Environmental Studies (CMES), Ehime University,
Matsuyama, Ehime, Japan

Dr. Kei Nakayama

Center for Marine Environmental Studies (CMES), Ehime University,
Matsuyama, Ehime, Japan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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