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## Recent Advances in Fish and Shellfish Immunology

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submissions:

**closed (30 June 2022)**

### **Message from the Guest Editors**

Dear Colleagues,

A Special Issue on the topic of “Fish and Shellfish Immunology” is being launched by the *Animals* journal. Fish and shellfish are in continuous contact with a wide variety of non-pathogenic and pathogenic microbes present in the aquatic environment, developing mechanisms to guarantee their survival. Therefore, the understanding of fish and shellfish immune system structure, function and response is essential for the development of new technologies to improve their productivity in the aquaculture industry.

This Special Issue aims to gather new research, advances and applied topics in the field of immunology of fish and shellfish with a relevant economic impact in the aquaculture sector. This compilation will be composed of, but is not limited to, issues relating to comparative, neuroendocrine, evolutive, and nutritional immunology, including immune-related molecules, pattern recognition receptors, immune cells, mucosa-associated lymphoid tissues (MALTs), host–pathogen interactions, vaccines, immune regulation, etc., will be welcome.

Dr. Francisco A. Guardiola

Dr. Carlos Angulo

*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

*Animals* is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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