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Environmental Pollutant Effects on the Physiological and Immune Functions of Aquatic Animals

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Message from the Guest Editors

Dear Colleagues,

Water covers around 71% of the total surface of our planet and harbors millions of species ranging from microbes to mammals. However, environmental pollution in aquatic systems is an increasingly severe issue due to our increasing population, rapid industrialization, and advancement of technology. Environmental pollution can affect aquatic organisms at all levels of biological organization. Exposure to different environmental pollutants can elicit a variety of stress responses far beyond the normal organismal range. An integrated homeostatic response, which fails partly or entirely to happen may weaken immune system, affects physiological wellness and makes organisms prone to diverse diseases. This Special Issue will focus on the physiological and immune functions of aquatic animals exposed to environmental pollutants using newly developed technologies and methods.

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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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