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Aquatic Ecotoxicity Assessment

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Message from the Guest Editors

The (eco)toxicology investigates the adverse effects of potentially toxic agents or other stressors on biological targets, from cellular to ecosystem level. The inland, coastal and marine waters appear as the final destination for most of contaminants, thus, understanding toxicity mechanisms and interactions associated with multiple chemical exposures is crucial to preserve the functional integrity of aquatic ecosystems.

Nevertheless, due to the complexity of this research field, the multiple chemical interactions, adverse effects of pollutants at the molecular and genetic level, as well as the implications on biodiversity and ecosystem dynamics remain too little explored. Finally, the development and optimisation of alternative methods, which could replace, reduce or refine the use of fish in ecotoxicity tests are cutting-edge issues, considering the animal welfare regulations.

This special issue “Aquatic Ecotoxicity Assessment” welcomes research and review papers dealing with ecotoxicological studies, with particularly focus on marine data and above-mentioned aspects.

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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