Special Issue

Effects of Xenobiotics on Freshwater Organisms—the Symbiotic Approach

Message from the Guest Editors

The aim of this Special Issue of Water is to present state-of-the-art knowledge on symbiotic interactions within the freshwater biome along with the impact of the abiotic environment on freshwater ecosystems, as well as urban and anthropogenic effects on the functionality of freshwater organisms. The implementation of a general or applied biological approach and multidisciplinary approaches are welcome. Studies should aim to report results of ecotoxicological research from the field or controlled laboratory environments that refer to particular freshwater species, populations, and their symbiotic relationships. They should deal with modes and mechanisms of their responses to changes in environmental conditions or to the presence of natural/anthropogenic stressors. The results may be recorded at the biodiversity level or microscopically, including morphometric and histological changes, adverse impact on physiological processes, effects at the cellular and subcellular levels, e.g., oxidative stress, cytotoxicity or genotoxicity, and protective responses, as well as at the level of eDNA.

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Guest Editors

Prof. Dr. Goran Kovačević

Dr. Davor Želježić

Dr. Petra Korać

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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