Special Issue

Emerging Contaminants in Marine Ecosystems: Current Trends and Future Challenges in Fate, Transport, and Toxicity

Message from the Guest Editors

We invite you to submit an original manuscript to this Special Issue in Water on chemodynamics and environmental toxicology of emerging contaminants in marine ecosystems. The presence of emerging contaminants in seas and oceans has degraded water quality and contributed to habitat fragmentation and loss of biodiversity. These emerging contaminants continuously enter marine ecosystems via riverine discharge, surface runoff, long-range atmospheric deposition, and oceanic currents. Through advances in sampling techniques, emerging contaminants have been detected in the deep sea. Over the past decades, analytical techniques have become more sensitive and selective making it possible to detect unknown known (suspect screening) and unknown unknown (non-target screening) contaminants at trace concentrations. Further developments in *in vitro* assays have contributed to our understanding of the mechanism and pathways of toxicity of emerging contaminants in marine ecosystems.

Guest Editors

Dr. Edmond Sanganyado

Department of Applied Sciences, Northumbria University, Newcastle upon Tyne, UK

Dr. Nhamo Chaukura

Department of Physical and Earth Sciences, Sol Plaatje University, Kimberley, South Africa

Deadline for manuscript submissions

closed (10 September 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/122414

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

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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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