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

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)

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.



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Special Issue



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Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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