



*water*

an Open Access Journal by MDPI



## Nature-Based Solutions for the Mitigation of Persistent and Emerging Contaminants

Guest Editors:

**Dr. Pedro N. Carvalho**

Department of Environmental Sciences, Aarhus University, Aarhus, Denmark

**Dr. Víctor Matamoros**

Institute of Environmental Assessment and Water Research, The Spanish National Research Council, Spain

Deadline for manuscript submissions:

**closed (30 November 2021)**

### Message from the Guest Editors

Nature-based solutions have been gaining attention in the past several years. The blue-green technology being developed and implemented is often not new (e.g., natural and constructed wetlands, buffer strips, green walls, green roofs, or microalgae-based treatment), but the diversification of their applications and the wider interest in using them in urban areas has been boosting the recent research. We are increasing their use for climate adaptation (e.g., cloudburst management) and for tackling persistent (e.g., pesticides) and/or new contaminants (e.g., trace organic compounds, nanoparticles, microplastics, or antibiotic resistance).

This Special Issue seeks to highlight novel approaches that, by utilizing state-of-the-art analytical techniques, or new monitoring or modeling tools, aim to clarify the role of nature-based solutions for the mitigation of persistent and emerging contaminants. Studies in the different water domains (i.e., process water, wastewater, stormwater, rainwater, groundwater) are welcome, as well as studies addressing the wide range of different emerging contaminants.



[mdpi.com/si/41032](https://mdpi.com/si/41032)

# Special Issue



*water*



an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

## Contact Us

---

Water Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)