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Water Management: New Paradigms for Water Treatment and Reuse

Guest Editor:

Dr. Cristina Sousa Coutinho Calheiros

1. Interdisciplinary Centre of Marine and Environmental Research (CIIMAR/CIMAR), University of Porto, Novo Edifício do Terminal de Cruzeiros do Porto de Leixões, Avenida General Norton de Matos, S/N, 4450-208 Matosinhos, Portugal
2. Institute of Science and Environment, University of St. Joseph, Rua de Londres 106, Macao 999078, China

Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editor

New paradigms for water treatment and reuse are needed towards a sustainable water management. This applies to contaminated water bodies or wastewater scenarios. The natural and urban water cycles are interconnected needing of a holistic approach to deal with the concerns related to water availability, water quality and water-related risks.

The current main drivers for development of water treatment schemes are based on water reuse, resource recovery and energy efficiency. Different approaches for water treatment and reuse can be envisioned based on physicochemical or biological processes that must meet the demand of industrialization, demographic constrains and climate change effects.

This Special Issue of Water welcomes research and new insights on technologies for an efficient water treatment and management, through high tech solutions and nature-based approaches at the level of the buildings, urban sites or centralized treatment plants.[...]

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Special Issue



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

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Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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