Special Issue

Water: A Source of Resources – Recent Advances in Technologies and Strategies

Message from the Guest Editors

Water is the most abundant compound on Earth and the only renewable source of potentially valuable elements. The sustainable and circular use of all available water sources is likely the fastest way to implement the ecological transition of current processes. This Issue welcomes work on recent advancements in technologies and strategies related to water, such as production, treatment, desalination, valorization, and conversion to energy. We invite researchers to submit articles, communications, or reviews on the following topics:

- Reducing water consumption and developing smart wastewater management systems;
- The recovery of energy and materials (e.g., minerals and nutrients) from wastewater (e.g., urban-, industrial- and seawater);
- The recovery of minerals from seawater, wastewater, and brines;
- Water reuse strategies that embrace the circular water economy;
- Freshwater production from alternative water sources (e.g., seawater desalination).

Well-documented and relevant case studies and practical field-test reports would also be valuable additions to this Special Issue, which aims to underline the importance and the true value of water for a sustainable future on Earth

Guest Editors

Prof. Dr. Alessandro Tamburini

Prof. Dr. Giorgio Micale

Prof. Dr. Andrea Cipollina

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Deadline for manuscript submissions

closed (30 September 2023)

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About the Journal

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
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